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Anti-BNIP3L/Nix Rabbit Monoclonal Antibody

Catalog Number: M03107

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Overview

Product Name	Anti-BNIP3L/Nix Rabbit Monoclonal Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-BNIP3L/Nix Rabbit Monoclonal Antibody catalog # M03107. Tested in WB, IHC applications. This antibody reacts with Human, Mouse, Rat.
Application	IHC, WB
Clonality	Monoclonal ABIB-2
Formulation	Rabbit IgG in stabilizing components, phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. *This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	O60238

Technical Details

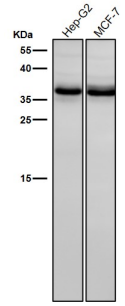
Immunogen	A synthesized peptide derived from human BNIP3L
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5mg/ml
Purification	Affinity-chromatography
Suggested Dilutions	WB 1:500-2000

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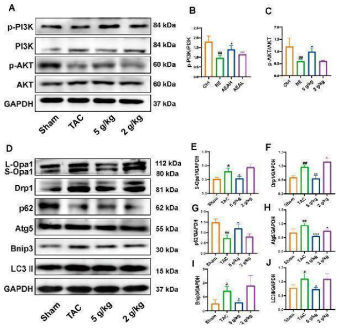
	IHC 1:50-200

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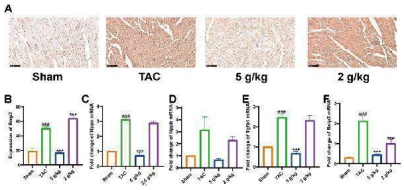
Anti-BNIP3L/Nix Rabbit Monoclonal Antibody (M03107) Images



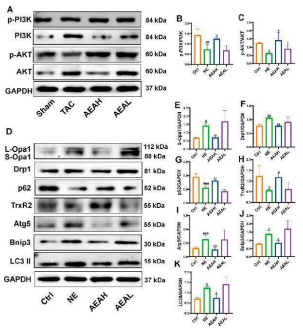
All lanes use the Antibody at 1:3K dilution for 1 hour at room temperature.



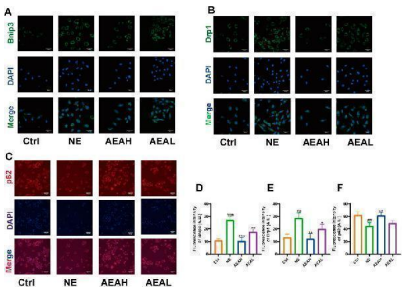
AEA improved CHF via PI3K/AKT/Bnip3 axis. (A) Representative images of PI3K/AKT axis. (B, C) The phosphorylation level of PI3K and AKT. (D) Representative images of Opa1, Drp1, Bnip3, p62, Atg5 and LC3II. (E–J) The expression level of Opa1, Drp1, Bnip3, p62, Atg5 and LC3II. (n = 3).Index in PubMed under a CC BY license. PMID: 40206063



AEA suppressed elevation of Bnip3. (A) Immunohistochemistry of Bnip3. (B–F) Expression of Nppa, Nppb, Tgfb1, and Bnip3 mRNA. (n = 3).Index in PubMed under a CC BY license. PMID: 40206063



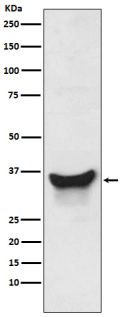
AEA improved NE-induced injuries via PI3K/AKT/Bnip3 axis. (A) Representative images of PI3K/AKT axis in H9c2 cells. (B, C) The phosphorylation level of PI3K and AKT. (D) Representative images of Opa1, Drp1, TrxR2, Bnip3, p62, Atg5 and LC3II in cells. (E–K) The expression level of Opa1, Drp1, TrxR2, Bnip3, p62, Atg5 and LC3II in H9c2 cells. (n = 3).Index in PubMed under a CC BY license. PMID: 40206063

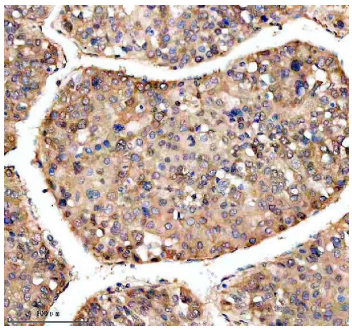


Immunofluorescence of Bnip3, Drp1, and p62 in H9c2 cells. (A) Immunofluorescence of Bnip3. (B) Immunofluorescence of Drp1. (C) Immunofluorescence of p62. (D) Quantitative analysis of Bnip3. (E) Quantitative analysis of Drp1. (F) Quantitative analysis of p62. (n = 3).Index in PubMed under a CC BY license. PMID: 40206063

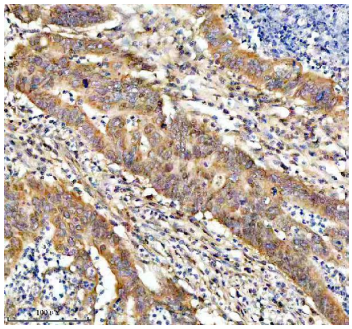
Western blot analysis of BNIP3L expression in K562 cell lysate.

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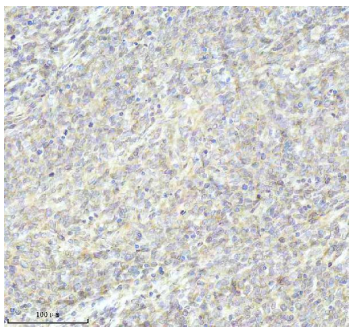




IHC analysis of BNIP3L using anti-BNIP3L antibody (M03107). BNIP3L was detected in a paraffin-embedded section of human liver cancer tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1:50 rabbit anti-BNIP3L Antibody (M03107) overnight at 4°C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB as the chromogen.



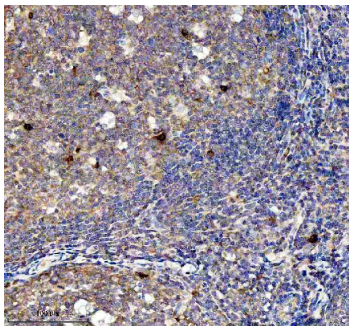
IHC analysis of BNIP3L using anti-BNIP3L antibody (M03107). BNIP3L was detected in a paraffin-embedded section of human rectal cancer tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1:50 rabbit anti-BNIP3L Antibody (M03107) overnight at 4°C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB as the chromogen.



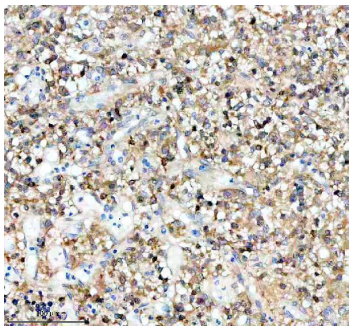
IHC analysis of BNIP3L using anti-BNIP3L antibody (M03107). BNIP3L was detected in a paraffin-embedded section of human lymphoma tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1:50 rabbit anti-BNIP3L Antibody (M03107) overnight at 4°C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB as the chromogen.

IHC analysis of BNIP3L using anti-BNIP3L antibody (M03107). BNIP3L was detected in a paraffin-embedded section of human tonsil tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat

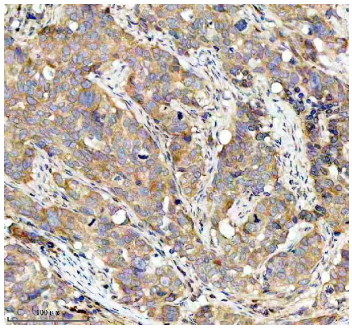
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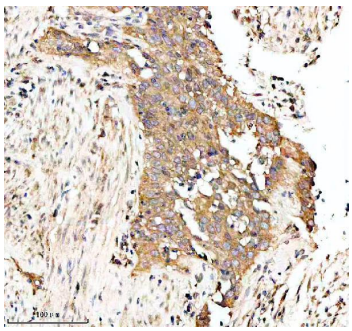
serum. The tissue section was then incubated with 1:50 rabbit anti-BNIP3L Antibody (M03107) overnight at 4°C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB as the chromogen.



IHC analysis of BNIP3L using anti-BNIP3L antibody (M03107). BNIP3L was detected in a paraffin-embedded section of human glioma tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1:50 rabbit anti-BNIP3L Antibody (M03107) overnight at 4°C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB as the chromogen.



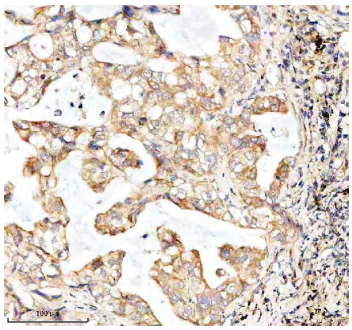
IHC analysis of BNIP3L using anti-BNIP3L antibody (M03107). BNIP3L was detected in a paraffin-embedded section of human ovarian cancer tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1:50 rabbit anti-BNIP3L Antibody (M03107) overnight at 4°C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB as the chromogen.



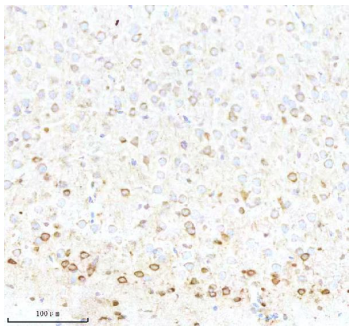
IHC analysis of BNIP3L using anti-BNIP3L antibody (M03107). BNIP3L was detected in a paraffin-embedded section of human bladder cancer tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1:50 rabbit anti-BNIP3L Antibody (M03107) overnight at 4°C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB as the chromogen.

IHC analysis of BNIP3L using anti-BNIP3L antibody (M03107). BNIP3L was detected in a paraffin-embedded section of human lung cancer tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat

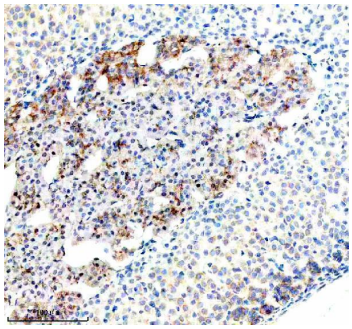
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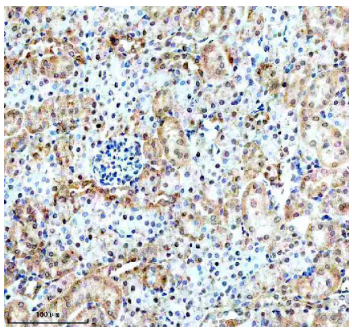
serum. The tissue section was then incubated with 1:50 rabbit anti-BNIP3L Antibody (M03107) overnight at 4°C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB as the chromogen.



IHC analysis of BNIP3L using anti-BNIP3L antibody (M03107). BNIP3L was detected in a paraffin-embedded section of mouse brain tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1:50 rabbit anti-BNIP3L Antibody (M03107) overnight at 4°C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB as the chromogen.



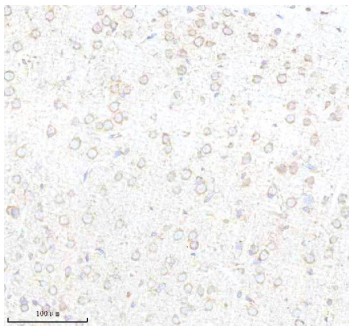
IHC analysis of BNIP3L using anti-BNIP3L antibody (M03107). BNIP3L was detected in a paraffin-embedded section of mouse adrenal tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1:50 rabbit anti-BNIP3L Antibody (M03107) overnight at 4°C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB as the chromogen.



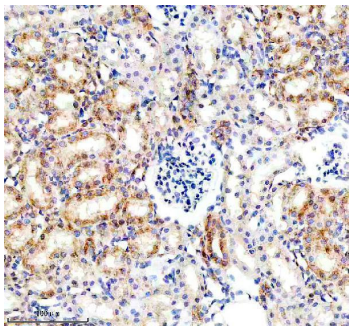
IHC analysis of BNIP3L using anti-BNIP3L antibody (M03107). BNIP3L was detected in a paraffin-embedded section of mouse kidney tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1:50 rabbit anti-BNIP3L Antibody (M03107) overnight at 4°C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB as the chromogen.

IHC analysis of BNIP3L using anti-BNIP3L antibody (M03107). BNIP3L was detected in a paraffin-embedded section of rat brain tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue

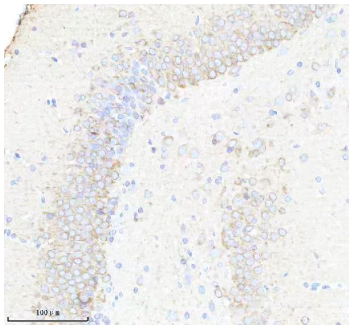
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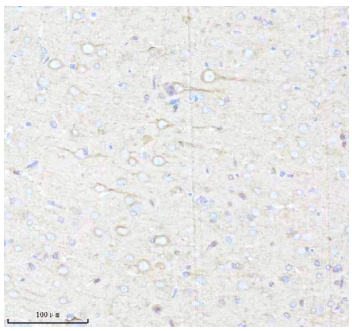
section was then incubated with 1:50 rabbit anti-BNIP3L Antibody (M03107) overnight at 4°C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB as the chromogen.



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IHC analysis of BNIP3L using anti-BNIP3L antibody (M03107). BNIP3L was detected in a paraffin-embedded section of rat hippocampus tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1:50 rabbit anti-BNIP3L Antibody (M03107) overnight at 4°C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB as the chromogen.



IHC analysis of BNIP3L using anti-BNIP3L antibody (M03107). BNIP3L was detected in a paraffin-embedded section of rat brain tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1:50 rabbit anti-BNIP3L Antibody (M03107) overnight at 4°C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB as the chromogen.

1 Publications Citing This Product

1. PubMed ID: 10.1080/15548627.2020.1728096, Mutant HTT (huntingtin) impairs mitophagy in a cellular model of Huntington disease

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