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Anti-NEDD4 Rabbit Monoclonal Antibody

Catalog Number: M00984

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Overview

Product Name	Anti-NEDD4 Rabbit Monoclonal Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-NEDD4 Rabbit Monoclonal Antibody catalog # M00984. Tested in WB, IHC, IP, Flow Cytometry applications. This antibody reacts with Human, Mouse, Rat.
Application	Flow Cytometry, IP, IHC, WB
Clonality	Monoclonal AEGB-14
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	P46934

Technical Details

Immunogen	A synthesized peptide derived from human NEDD4
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 IP, 1:50 FC, 1:50

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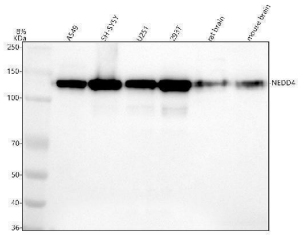
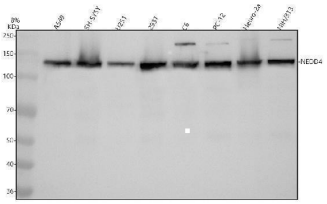
Anti-NEDD4 Rabbit Monoclonal Antibody (M00984) Images



Western blot analysis of NEDD4 using anti-NEDD4 antibody (M00984). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: human A549 whole cell lysates, Lane 2: human SH-SY5Y whole cell lysates, Lane 3: human U251 whole cell lysates, Lane 4: human 293T whole cell lysates, Lane 5: rat brain tissue lysates, Lane 6: mouse brain tissue lysates. After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-NEDD4 antigen affinity purified monoclonal antibody (Catalog # M00984) at 1:1000 overnight at 4°C, then washed with TBS-10%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:500 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002) with Tanon 5200 system. A specific band was detected for NEDD4 at approximately 135 kDa. The expected band size for NEDD4 is at 105-150 kDa.



Western blot analysis of NEDD4 using anti-NEDD4 antibody (M00984). Electrophoresis was performed on a 8% SDS-PAGE gel at 80V (Stacking gel) / 120V (Resolving gel) for 2 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: human A549 whole cell lysates, Lane 2: human SH-SY5Y whole cell lysates, Lane 3: human U251 whole cell lysates, Lane 4: human 293T whole cell lysates, Lane 5: rat C6 whole cell lysates, Lane 6: rat PC-12 whole cell lysates, Lane 7: mouse Neuro-2a whole cell lysates, Lane 8: mouse NIH/3T3 whole cell lysates.After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-NEDD4 antigen affinity purified monoclonal antibody (M00984) at 1:1000 overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an ECL Plus Western Blotting Substrate (Catalog # AR1196-200) with Tanon 5200 system. A specific band was detected for NEDD4 at approximately 130 kDa. The expected band size for NEDD4 is at 149 kDa.

IHC analysis of NEDD4 using anti-NEDD4 antibody (M00984). NEDD4 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

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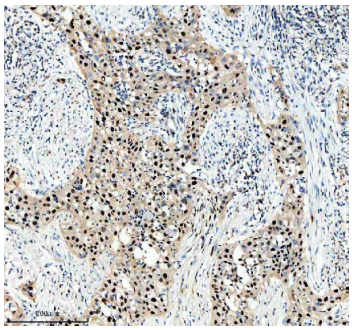
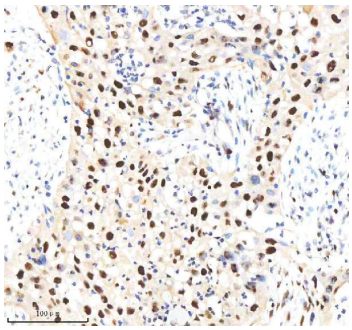
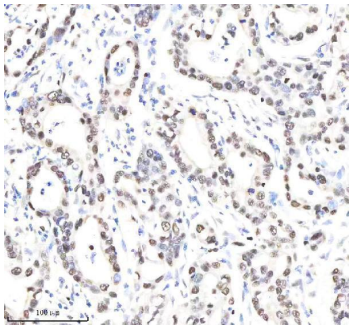


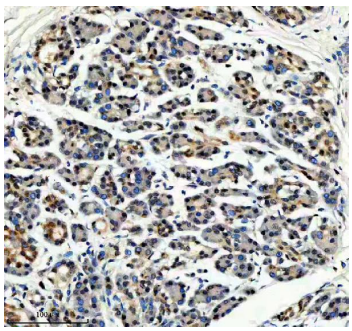
rabbit anti-NEDD4 Antibody (M00984) overnight at 4□C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37□C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB as the chromogen.



IHC analysis of NEDD4 using anti-NEDD4 antibody (M00984). NEDD4 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-NEDD4 Antibody (M00984) 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 NEDD4 using anti-NEDD4 antibody (M00984). NEDD4 was detected in a paraffin-embedded section of human pancreas 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-NEDD4 Antibody (M00984) 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 NEDD4 using anti-NEDD4 antibody (M00984). NEDD4 was detected in a paraffin-embedded section of human pancreas 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-NEDD4 Antibody (M00984) 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 NEDD4 using anti-NEDD4 antibody (M00984). NEDD4 was detected in a paraffin-embedded section of human pancreas cancer tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10%

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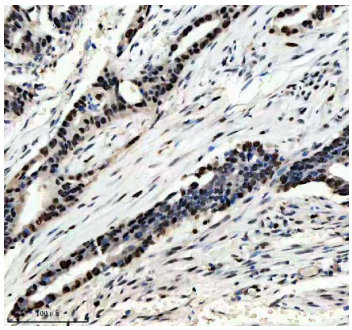
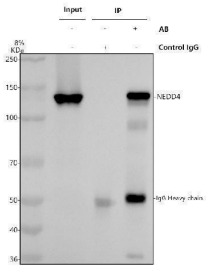


goat serum. The tissue section was then incubated with 1:50 rabbit anti-NEDD4 Antibody (M00984) overnight at 4□C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37□C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB as the chromogen.



Immunoprecipitating NEDD4 in A549 whole cell lysate. Western blot analysis of NEDD4 using anti-NEDD4 antibody (M00984). Lane 1: A549 whole cell lysates (30ug), Lane 2: Rabbit control IgG instead of anti-NEDD4 antibody in A549 whole cell lysate, Lane 3: anti-NEDD4 antibody (2ug) + A549 whole cell lysate (500ug). After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-NEDD4 antigen affinity purified monoclonal antibody (M00984) at a dilution of 1:50 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for NEDD4 at approximately 135 kDa. The expected band size for NEDD4 is at 150 kDa.

1 Publications Citing This Product

1. PubMed ID: 31958096, The Novel Dual GLP-1/GIP Receptor Agonist DA-CH5 Is Superior to Single GLP-1 Receptor Agonists in the MPTP Model of Parkinson's Disease Lingyu Zhang J Parkinson's Dis. 2020;10(2):523-542. DOI: 10.3233/JPD-191768.

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Anti-NEDD4 Rabbit Monoclonal Antibody

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