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BOSTER BIOLOGICAL TECHNOLOGY
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Anti-Noxa Pmaip1 Antibody

Catalog Number: A02287

About PMAIP1

Apoptosis is related to many diseases and development. The p53 tumor-suppressor protein induces apoptosis through transcriptional activation of several genes including p53R2, p53AIP1, and PUMA. A new p53 target gene, Noxa, was recently identified, which encodes a protein belonging to the subfamily of BH3-only proapoptic proteins. Noxa and PUMA are both transcriptional targets of p53 and BH3-only proteins. X-ray irradiation increased p53-dependent Noxa mRNA and protein levels. Noxa, when ectopically expressed, interacted with anti-apoptotic Bcl-2 family members, resulting in the activation of caspase-9. Noxa, like PUMA, localized to mitochondria and induces apoptosis in response to p53. Noxa and PUMA may represent direct mediators of p53-induced apoptosis. Increased levels of p53 and its target gene Noxa was found in the impaired tumor development.

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Overview

Product Name	Anti-Noxa Pmaip1 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Noxa Pmaip1 Antibody (Catalog # A02287). Tested in ELISA, WB, IHC-P, IF applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, IF, IHC-P, WB
Clonality	Polyclonal
Formulation	Noxa Antibody is supplied in PBS containing ≤0.09% sodium azide.
Storage Instructions	Noxa antibody can be stored at 4°C, stable for up to one year. Avoid repeated freeze-thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Host	Rabbit
Uniprot ID	Q9JM54

Technical Details

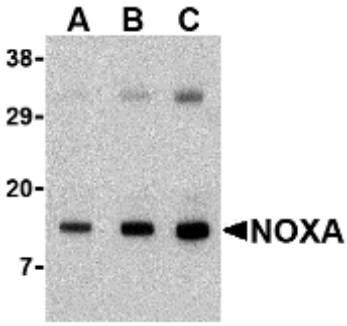
Immunogen	Noxa antibody was raised against a synthetic peptide corresponding to 17 amino acids at the amino terminus of mouse Noxa. The immunogen is located within the first 50 amino acids of Noxa.

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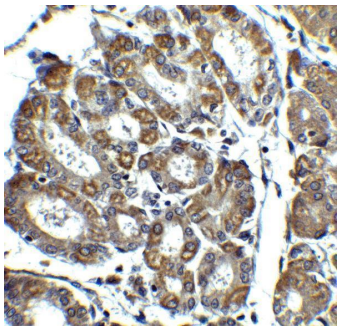
Predicted Reactive Species	Chicken
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	Noxa Antibody is immunoaffinity chromatography purified IgG.
Suggested Dilutions	Noxa antibody can be used for detection of Noxa by Western blot at at 0.5 - 2 ug/mL. Antibody can also be used for immunohistochemistry starting at 1 ug/mL. For immunofluorescence start at 10 ug/mL. Antibody validated: Western Blot in human samples; Immunohistochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

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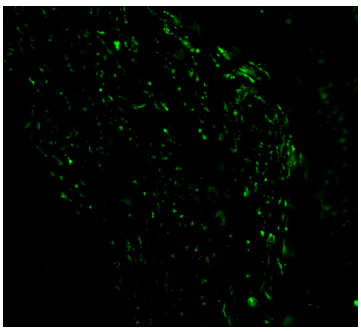
Anti-Noxa Pmaip1 Antibody (A02287) Images



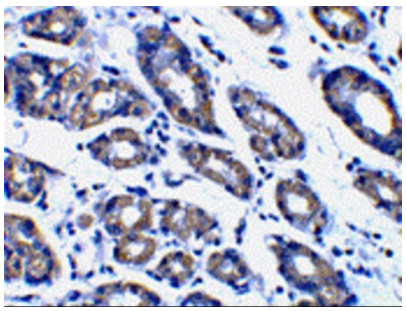
Western blot analysis of Noxa in human stomach tissue lysate with Noxa antibody at (A) 0.5, (B) 1 and (C) 2 ug/mL.



Immunohistochemistry of NOXA in human stomach tissue with NOXA antibody at 2.5 ug/ml.



Immunofluorescence of Noxa in Human Stomach cells with Noxa antibody at 10 ug/mL.



Immunohistochemistry of Noxa in human stomach tissue with Noxa antibody at 1 ug/mL.

Anti-Noxa Pmaip1 Antibody

For Research Use Only. Not for use in diagnostic procedures.