

Datasheet for 600-401-H06**Noxa Antibody****Overview**

Description:	Anti-Noxa (RABBIT) Antibody - 600-401-H06
Item No.:	600-401-H06
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background: Noxa antibody detects mouse Noxa. 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 proapoptotic 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. Anti-Noxa antibodies are ideal for investigators involved in Apoptosis and Cancer research.

Synonyms:	Noxa, PMA-induced protein 1, PMAIP1, APR
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	Pmaip1
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide

Immunogen:	Noxa Antibody was produced from whole rabbit serum prepared by repeated immunizations with a synthetic peptide corresponding to amino acids at the n-terminus of mouse Noxa.
Purity/Specificity:	Anti-Noxa Antibody is immunoaffinity chromatography purified IgG. A BLAST analysis was used to suggest cross-reactivity with Noxa with Human, Mouse and Rat based on 100% homology with the immunizing sequence. Cross-reactivity with Noxa from other sources has not been determined.
Relevant Links:	• UniProtKB - Q9JM54 • GeneID - 58801

Application Details

Tested Applications:	ELISA, IF, IHC, WB
Application Note:	Anti-Noxa Antibody is tested for use in E, WB, IF, and IHC. Expect a band approximately ~11.5 kDa on specific lysates. Western Blot, Immunohistochemistry, and Immunofluorescence tested in human samples. Specific conditions for reactivity should be optimized by the end user.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
IF:	10µg/mL
IHC:	1µg/mL
WB:	0.5-2µg/mL

Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1 mg/mL by UV absorbance at 280 nm
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

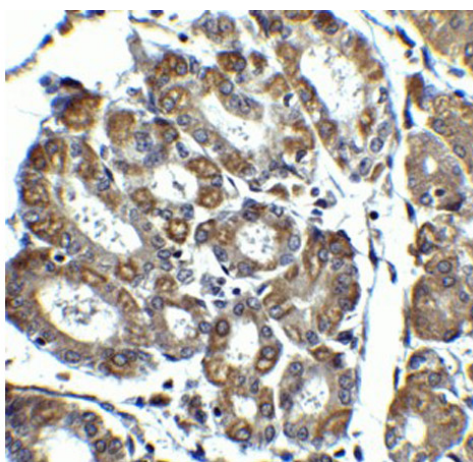
Shipping & Handling

Shipping Condition:	Dry Ice
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Storage Condition: Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

Expiration: Expiration date is one (1) year from date of receipt.

Images

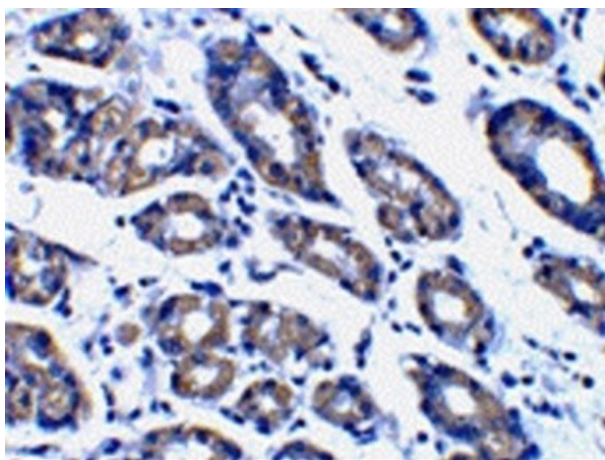


Immunohistochemistry

Immunohistochemistry of NOXA.

Tissue: human stomach tissue.

Primary Antibody: NOXA antibody at 2.5 µg/ml.

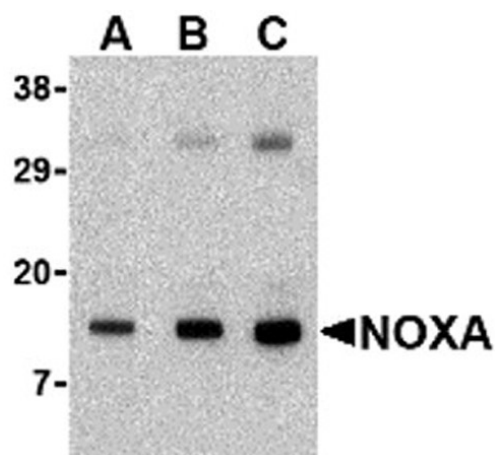


Immunohistochemistry

Immunohistochemistry of Noxa.

Tissue: human stomach tissue.

Primary Antibody: Anti-Noxa antibody at 1 µg/mL.

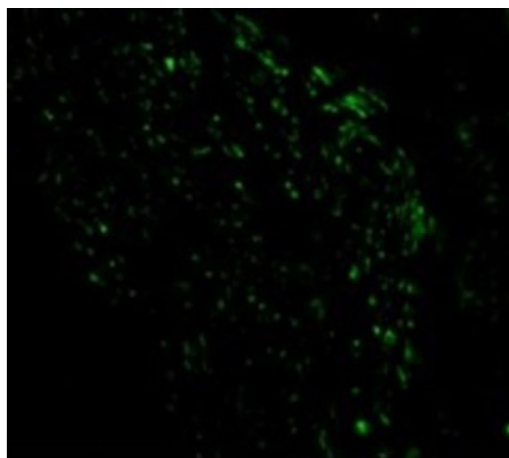


Western Blot

Western blot analysis of Noxa.

Load: human stomach tissue lysate.

Primary Antibody: Anti-Noxa antibody at (A) 0.5 µg/mL, (B) 1 µg/mL and (C) 2 µg/mL.



Immunofluorescence Microscopy

Immunofluorescence of Noxa.

Cell: Human Stomach cells.

Primary Antibody: Anti-Noxa antibody at 10 µg/mL.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.