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## Datasheet for ABIN6990797 **anti-NOXA antibody (N-Term)**

### Overview

Quantity:	0.1 mg
Target:	NOXA (PMAIP1)
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NOXA antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

### Product 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.
Isotype:	IgG
Purification:	Noxa Antibody is immunoaffinity chromatography purified IgG.

### Target Details

Target:	NOXA (PMAIP1)
Alternative Name:	Noxa ( <a href="#">PMAIP1 Products</a> )
Background:	Noxa Antibody: Apoptosis is related to many diseases and development. The p53 tumor-

## Target Details

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.

Gene ID: 58801

NCBI Accession: [NP\\_067426](#)

UniProt: [Q9JM54](#)

Pathways: [p53 Signaling](#), [Positive Regulation of Endopeptidase Activity](#), [Regulation of Carbohydrate Metabolic Process](#), [Positive Regulation of Response to DNA Damage Stimulus](#)

## Application Details

Application Notes: Noxa antibody can be used for detection of Noxa by Western blot at 0.5 - 2 µg/mL. Antibody can also be used for immunohistochemistry starting at 1 µg/mL. For immunofluorescence start at 10 µg/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.

Restrictions: For Research Use only

## Handling

Format: Liquid

Concentration: 1 mg/mL

Buffer: Noxa Antibody is supplied in PBS containing 0.02 % sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Handling

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Storage:	-20 °C, 4 °C
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Storage Comment:	Noxa antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
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