

Datasheet for ABIN500377
anti-NOXA antibody (N-Term)[Go to Product page](#)

2 Images

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), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	Noxa antibody was raised against a synthetic peptide corresponding to 17 amino acids at the amino terminus of mouse Noxa.
Isotype:	IgG
Specificity:	This antibody detects NOXA.
Purification:	Peptide affinity chromatography

Target Details

Target:	NOXA (PMAIP1)
Alternative Name:	NOXA (PMAIP1 Products)

Target Details

Background:	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 (1-3). 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 (4).Synonyms: PMA-induced protein 1, PMAIP1, Phorbol-12-myristate-13-acetate-induced protein 1
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:	ELISA. Western blot. Immunohistochemistry on paraffin sections. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Restrictions:	For Research Use only

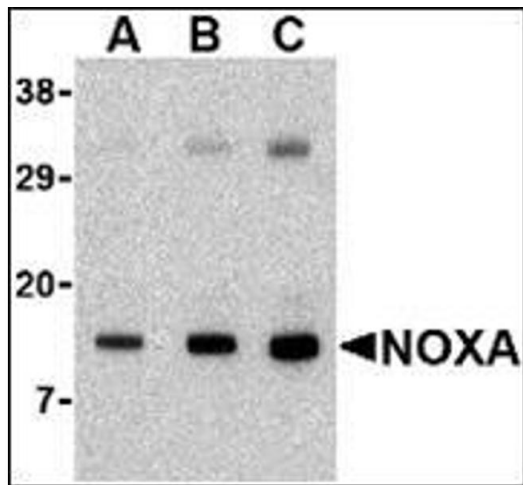
Handling

Concentration:	0,5 mg/mL
Buffer:	PBS containing 0.02 % sodium azide as preservative
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 Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C

Handling

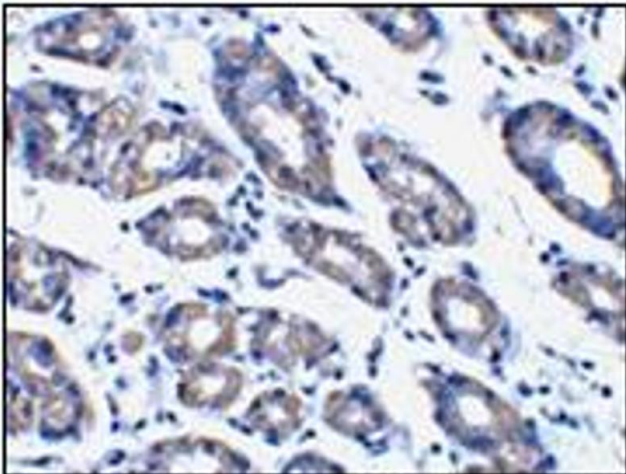
Storage Comment: Store the antibody undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.

Images



Western Blotting

Image 1. Western blot analysis of Noxa in human stomach tissue lysate with this product at (A) 0.5, (B) 1 and (C) 2 µg/ml.



Immunohistochemistry (Paraffin-embedded Sections)

Image 2. Immunohistochemistry of Noxa in human stomach tissue with this product at 1 µg/ml.