

## Product datasheet for **TA306071**

### **Pmaip1 Rabbit Polyclonal Antibody**

#### **Product data:**

Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	WB: 0.5 - 2 ug/mL, ICC: 1 ug/mL, IF: 10 ug/mL
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Noxa antibody was raised against a synthetic peptide corresponding to 17 amino acids at the amino terminus of mouse Noxa.
Formulation:	PBS containing 0.02% sodium azide.
Concentration:	1ug/ul
Purification:	Immunoaffinity chromatography purified IgG
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	phorbol-12-myristate-13-acetate-induced protein 1
Database Link:	<a href="#">NP_067426</a> <a href="#">Entrez Gene 58801 Mouse</a> <a href="#">Q9JM54</a>



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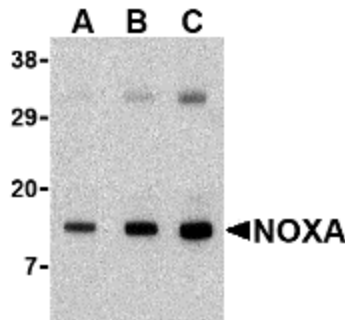
**Background:**

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).

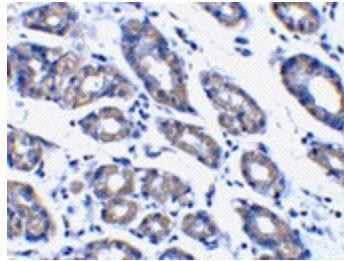
**Synonyms:**

APR; NOXA

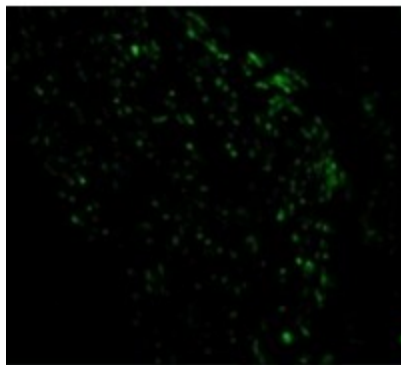
**Product images:**



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 1 ug/ml.



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