

**Noxa Antibody**  
**Rabbit Polyclonal Antibody**  
**Catalog # ABV10502****Specification**

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**Noxa Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">Q13794</a>
Other Accession	<a href="#">AAH32663</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	6030

**Noxa Antibody - Additional Information****Gene ID** 5366**Application & Usage**

**Western blotting (0.5-4 µg/ml).** However, the optimal concentrations should be determined individually. The antibody recognizes mainly ~16 kDa band in human, mouse and rat samples. A ~34 kDa band is also detected to the lesser extent. Reactivity to other species has not been tested.

**Other Names**

PMAIP1 , NOXA , APR

**Target/Specificity**

Noxa

**Antibody Form**

Liquid

**Appearance**

Colorless liquid

**Formulation**

100 µg (0.2mg/ml) protein A purified rabbit anti-Noxa polyclonal antibody in phosphate-buffered saline (PBS) containing 0.5% BSA, 30% glycerol, and 0.01% thimerosal.

**Handling**

The antibody solution should be gently mixed before use.

**Reconstitution & Storage**

-20 °C

**Background Descriptions**

**Precautions**

Noxa Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**Noxa Antibody - Protein Information**

**Name** PMAIP1

**Synonyms** NOXA

**Function**

Promotes activation of caspases and apoptosis. Promotes mitochondrial membrane changes and efflux of apoptogenic proteins from the mitochondria. Contributes to p53/TP53-dependent apoptosis after radiation exposure. Promotes proteasomal degradation of MCL1. Competes with BAK1 for binding to MCL1 and can displace BAK1 from its binding site on MCL1 (By similarity). Competes with BIM/BCL2L11 for binding to MCL1 and can displace BIM/BCL2L11 from its binding site on MCL1.

**Cellular Location**

Mitochondrion

**Tissue Location**

Highly expressed in adult T-cell leukemia cell line

**Noxa Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**Noxa Antibody - Images****Noxa Antibody - Background**

Noxa is a BH3-only member of the Bcl-2 family. Expression of Noxa gene involves direct activation of its promoter by p53. Increased expression of Noxa protein occurs in normal thymocytes but not in p53-deficient thymocytes. Coimmunoprecipitation data suggest that Noxa protein may interact with proteins belonging to the Bcl-2 family, such as Bcl-xL and Mcl-1. Blocking the endogenous Noxa induction results in the suppression of apoptosis. These suggest Noxa may represent a candidate mediator of p53-induced apoptosis.