10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.622.0609

Noxa Antibody
Rabbit Polyclonal Antibody
Catalog # ABV10502

Specification

Noxa Antibody - Product Information

Application	**WB**
Primary Accession	Q13794
Other Accession	AAH32663
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

Noxa Antibody - Background

Noxa is a BH3-only member of the Bcl-2 family. Expression of Noxa gene involves direct activation of its promotor by p53. Increased expression of Noxa protein occurs in normal thymocytes but not in p53-deficient thymocytes. Coimmunoprecipitation data s µggest 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 s µggest Noxa may represent a candidate mediator of p53-induced apoptosis.

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 Cytomety
- Cell Culture