



**Noxa Antibody** 

Rabbit Polyclonal Antibody Catalog # ABV10502

# **Specification**

## **Noxa Antibody - Product Information**

Application WB
Primary Accession Other Accession
Reactivity Human, Mo

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**

 $100~\mu g$  (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.

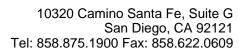
# **Cellular Location**Mitochondrion

# **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
- <u>Immunohistochemistry</u>
- <u>Immunofluorescence</u>
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture