

**Goat Anti-NOXA Antibody**  
**Peptide-affinity purified goat antibody**  
**Catalog # AF2179a****Specification**

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**Goat Anti-NOXA Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">Q13794</a>
Other Accession	<a href="#">NP_066950</a> , <a href="#">5366</a>
Reactivity	Human
Host	Goat
Clonality	Polyclonal
Concentration	100ug/200ul
Isotype	IgG
Calculated MW	6030

**Goat Anti-NOXA Antibody - Additional Information****Gene ID** 5366**Other Names**

Phorbol-12-myristate-13-acetate-induced protein 1, PMA-induced protein 1,  
Immediate-early-response protein APR, Protein Noxa, PMAIP1, NOXA

**Format**

0.5 mg IgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, with 0.5% bovine serum albumin

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

Goat Anti-NOXA Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**Goat Anti-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

**Goat Anti-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](#)

**Goat Anti-NOXA Antibody - Images**

AF2179a (0.03 µg/ml) staining of Human Cerebellum lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

**Goat Anti-NOXA Antibody - References**

A p38(MAPK)/HIF-1 pathway initiated by UVB irradiation is required to induce Noxa and apoptosis of human keratinocytes. Nys K, et al. J Invest Dermatol, 2010 Sep. PMID 20393480.  
Perturbation of the Bcl-2 network and an induced Noxa/Bcl-xL interaction trigger mitochondrial dysfunction after DNA damage. Lopez H, et al. J Biol Chem, 2010 May 14. PMID 20223826.  
The role of glucocorticoid receptor phosphorylation in Mcl-1 and NOXA gene expression. Lynch JT, et al. Mol Cancer, 2010 Feb 15. PMID 20156337.  
Noxa is necessary for hydrogen peroxide-induced caspase-dependent cell death. Aikawa T, et al. FEBS Lett, 2010 Feb 19. PMID 20085765.  
The anti-apoptotic protein BCL2L1/Bcl-xL is neutralized by pro-apoptotic PMAIP1/Noxa in neuroblastoma, thereby determining bortezomib sensitivity independent of prosurvival MCL1 expression. Hagenbuchner J, et al. J Biol Chem, 2010 Mar 5. PMID 20051518.