NOXA Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	NOXA, Polyclonal Antibody
Full Product Name	NOXA, NT (Phorbol-12-myristate-13-acetate-induced Protein 1, PMA-induced Protein 1, Immediate-early-response Protein APR, Protein Noxa, PMAIP1) (PE)
Product Gene Name	anti-NOXA antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with R-Phycoerythrin (PE).
Purity/Purification	Purified by Immunoaffinity chromatography.
Specificity	Recognizes human NOXA. Species sequence homology: Orangutan (100%).
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: PE conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	7
OMIM	D90070 mRNA
3D Structure	ModBase 3D Structure for Q13794
Immunogen	Synthetic linear peptide corresponding to human NOXA at N-terminal (KLH).
Conjugate	PE
Positive Control	Osteoblasts in human bone tissue
Note	Preservative Free
Product Categories/Family for anti-NOXA antibody	Antibodies; Apoptosis
Applications Tested/Suitable for anti-NOXA antibody	Immunohistochemistry (IHC)
Application Notes for anti-NOXA antibody	IHC: 1:500 Applications are based on unconjugated antibody.
Related Product Information for anti-NOXA antibody	MBS6269901 is an antibody targeting NOXA. Also known as NOXA, NT (Phorbol-12-myristate-13-acetate-induced Protein 1, PMA-induced Protein 1, Immediate-early-response Protein APR, Protein Noxa, PMAIP1) (PE). Reactive in Human. Host: Rabbit.
Product References and Citations for anti-NOXA antibody	1. Elgendy, M., et al. (2011). Mol Cell. 42(1):23-35. 2. Lowman, X.H., et al. (2010). Mol Cell. 10(40): 823-833. 3. Samudio, I., et al. (2010). J Clin Invest. 120(1):142-156. 4. Oda, E., et al. (2000). Science. 288(5468): 1053-1058. 5. Baou, M., et al. (2010). Haematologica. 95(9): 1510-1518.
Other Notes	Small volumes of anti-NOXA antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for NOXA. It may not necessarily be applicable to this product.

NCBI GI #	10863923
NCBI GeneID	5366
NCBI Accession #	NP_066950
UniProt Primary Accession #	Q13794
UniProt Related Accession #	Q13794
GenBank Nucleotide #	NP_066950.1
NCBI Official Full Name	phorbol-12-myristate-13-acetate-induced protein 1
NCBI Official Synonym Full Names	phorbol-12-myristate-13-acetate-induced protein 1
NCBI Official Symbol	PMAIP1
NCBI Official Synonym Symbols	APR; NOXA
UniProt Protein Name	Phorbol-12-myristate-13-acetate-induced protein 1
UniProt Synonym Protein Names	Immediate-early-response protein APR; Protein Noxa
Protein Family	Superoxide-generating NADPH oxidase
UniProt Gene Name	PMAIP1
UniProt Synonym Gene Names	NOXA; PMA-induced protein 1
NCBI Protein Information	phorbol-12-myristate-13-acetate-induced protein 1
UniProt Comments for NOXA	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 (). Competes with BIM/BCL2L11 for binding to MCL1 and can displace BIM/BCL2L11 from its binding site on MCL1.
Research Articles on NOXA	**1.** The subsequent downstream effects were NOXA increase.
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