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MOAP1 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP14231A

Specification

MOAP1 Antibody (N-term) - Product Information

Application	**WB,E**
Primary Accession	Q96BY2
Other Accession	Q95KI4, NP_071434.2
Reactivity	**Human**
Predicted	**Monkey**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**39513**
Antigen Region	**37-65**

MOAP1 Antibody (N-term) - Additional Information

Gene ID 64112

Other Names
Modulator of apoptosis 1, MAP-1, MAP1, Paraneoplastic antigen Ma4, MOAP1, PNMA4

Target/Specificity
This MOAP1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 37-65 amino acids from the N-terminal region of human MOAP1.

Dilution
WB~~1:1000
E~~Use at an assay dependent concentration.

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

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

Precautions
MOAP1 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

MOAP1 Antibody (N-term) - Protein Information

Name MOAP1 {ECO:0000303|PubMed:19366867, ECO:0000312|HGNC:HGNC:16658}

Function Retrotransposon-derived protein that forms virion-like capsids (By similarity). Acts as an effector of BAX during apoptosis: enriched at outer mitochondria membrane and associates with BAX upon induction of apoptosis, facilitating BAX-dependent mitochondrial outer membrane permeabilization and apoptosis (PubMed:11060313, PubMed:16199525). Required for death receptor-dependent apoptosis (PubMed:11060313). When associated with RASSF1, promotes BAX conformational change and translocation to mitochondrial membranes in response to TNF and TNFSF10 stimulation (PubMed:15949439). Also promotes autophagy: promotes phagophore closure via association with ATG8 proteins (PubMed:33783314). Acts as an inhibitor of the NFE2L2/NRF2 pathway via interaction with SQSTM1: interaction promotes dissociation of SQSTM1 inclusion bodies that sequester KEAP1, relieving inactivation of the BCR(KEAP1) complex (PubMed:33393215).

Cellular Location
Cytoplasm, cytosol. Mitochondrion outer membrane Extracellular vesicle membrane {ECO:0000250|UniProtKB:Q9ERH6} Note=Forms virion-like extracellular vesicles that are released from cells. {ECO:0000250|UniProtKB:Q9ERH6}

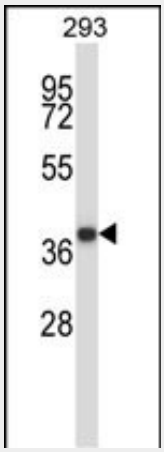
Tissue Location
Widely expressed, with high levels in heart and brain.

MOAP1 Antibody (N-term) - 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

MOAP1 Antibody (N-term) - Images



MOAP1 Antibody (N-term) (Cat. #AP14231a) western blot analysis in 293 cell line lysates (35ug/lane).This demonstrates the MOAP1 antibody detected the MOAP1 protein (arrow).

MOAP1 Antibody (N-term) - Background

The protein encoded by this gene was identified by its interaction with apoptosis regulator BAX protein. This protein contains a Bcl-2 homology 3 (BH3)-like motif, which is required for the association with BAX. When overexpressed, this gene has been shown to mediate caspase-dependent apoptosis.

MOAP1 Antibody (N-term) - References

Lee, S.S., et al. Exp. Cell Res. 315(7):1313-1325(2009)
Foley, C.J., et al. Mol. Cell. Biol. 28(14):4520-4535(2008)
Fu, N.Y., et al. Proc. Natl. Acad. Sci. U.S.A. 104(24):10051-10056(2007)
Lim, J., et al. Cell 125(4):801-814(2006)
Vos, M.D., et al. J. Biol. Chem. 281(8):4557-4563(2006)