

MOAP1 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP14231a**Specification**

MOAP1 Antibody (N-term) Blocking Peptide - Product InformationPrimary Accession [Q96BY2](#)**MOAP1 Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 64112**Other Names**

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

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

MOAP1 Antibody (N-term) Blocking Peptide - 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) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

MOAP1 Antibody (N-term) Blocking Peptide - Images**MOAP1 Antibody (N-term) Blocking Peptide - 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) Blocking Peptide - 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)