

MAP-1 Blocking Peptide

Catalog # PBV10319b

Specification

MAP-1 Blocking Peptide - Product Information

Primary Accession	<u>Q9ERH6</u>
Gene ID	64113
Calculated MW	39404

MAP-1 Blocking Peptide - Additional Information

Gene ID 64113

Application & Usage

The peptide is used for blocking the antibody activity of active MAP-1. It usually blocks the antibody activity completely in Western blot analysis by incubating the peptide with equal volume of antibody for 30 minutes at 37°C

Other Names Modulator of apoptosis 1, MAP-1, Moap1

Target/Specificity MAP-1

Formulation 50 μ g (0.2 mg/ml) in phosphate buffered saline (PBS), pH 7.2, containing 0.1% BSA and 0.02% thimerosal.

Reconstitution & Storage -20 °C

Background Descriptions

Precautions MAP-1 Blocking Peptide is for research use only and not for use in diagnostic or therapeutic procedures.

MAP-1 Blocking Peptide - Protein Information

Name Moap1 {ECO:0000303|PubMed:34413232, ECO:0000312|MGI:MGI:1915555}

Function

Retrotransposon-derived protein that forms virion-like capsids (PubMed:34413232). 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 (By similarity). Required for death receptor-dependent apoptosis (By similarity). When associated with RASSF1, promotes BAX conformational change and translocation to mitochondrial membranes in response to TNF and TNFSF10 stimulation (By similarity). Also promotes autophagy: promotes phagophore closure via association with ATG8 proteins (PubMed:<a href="http://www.uniprot.org/citations/33783314"

target="_blank">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 (By similarity).

Cellular Location

Cytoplasm, cytosol {ECO:0000250|UniProtKB:Q96BY2}. Mitochondrion outer membrane {ECO:0000250|UniProtKB:Q96BY2}. Extracellular vesicle membrane. Note=Forms virion-like extracellular vesicles that are released from cells.

Tissue Location

Widely expressed, including in the brain. High expression levels in testis.

MAP-1 Blocking Peptide - Protocols

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

- <u>Western Blot</u>
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- <u>Cell Culture</u>

MAP-1 Blocking Peptide - Images