

**MOAP1 / MAP1 Antibody (Internal)**  
**Rabbit Polyclonal Antibody**  
**Catalog # ALS11477****Specification**

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**MOAP1 / MAP1 Antibody (Internal) - Product Information**

|                   |                        |
|-------------------|------------------------|
| Application       | WB, IHC                |
| Primary Accession | <a href="#">Q96BY2</a> |
| Reactivity        | Human, Mouse           |
| Host              | Rabbit                 |
| Clonality         | Polyclonal             |
| Calculated MW     | 40kDa KDa              |

**MOAP1 / MAP1 Antibody (Internal) - Additional Information****Gene ID** 64112**Other Names**

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

**Target/Specificity**

15 amino acid peptide from near the center of human MAP-1

**Reconstitution & Storage**

Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles. Store undiluted.

**Precautions**

MOAP1 / MAP1 Antibody (Internal) is for research use only and not for use in diagnostic or therapeutic procedures.

**MOAP1 / MAP1 Antibody (Internal) - 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:<a href="http://www.uniprot.org/citations/11060313" target="\_blank">11060313</a>, PubMed:<a href="http://www.uniprot.org/citations/16199525" target="\_blank">16199525</a>). Required for death receptor-dependent apoptosis (PubMed:<a href="http://www.uniprot.org/citations/11060313" target="\_blank">11060313</a>). When associated with RASSF1, promotes BAX conformational change and translocation to mitochondrial membranes in response to TNF and TNFSF10 stimulation (PubMed:<a href="http://www.uniprot.org/citations/15949439" target="\_blank">15949439</a>). Also promotes autophagy: promotes phagophore closure via association with ATG8 proteins (PubMed:<a href="http://www.uniprot.org/citations/33783314" target="\_blank">33783314</a>). 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:<a href="http://www.uniprot.org/citations/33393215" target="\_blank">33393215</a>).

#### 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

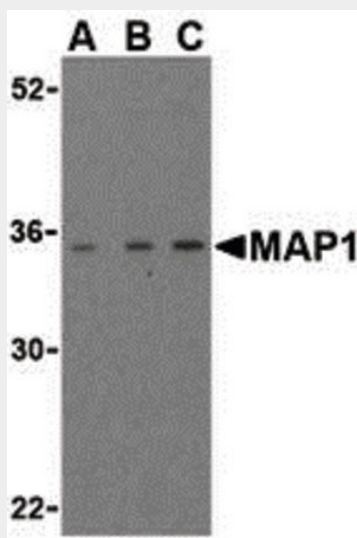
Widely expressed, with high levels in heart and brain.

### MOAP1 / MAP1 Antibody (Internal) - Protocols

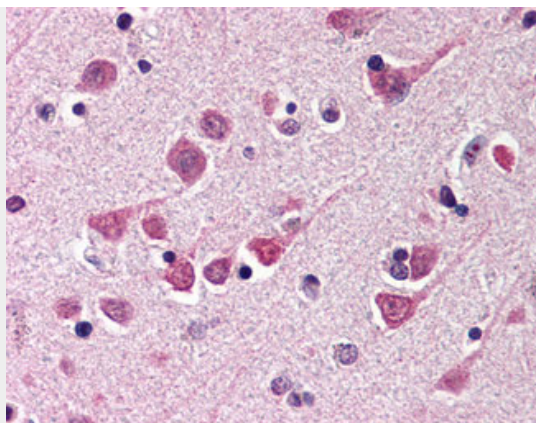
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### MOAP1 / MAP1 Antibody (Internal) - Images



Western blot of MAP-1 in EL4 cell lysate with MAP-1 antibody (IN) at (A) 1, (B) 2, and (C) 4 ug/ml.



Anti-MOAP1 / MAP1 antibody IHC of human brain, cortex.

#### **MOAP1 / MAP1 Antibody (Internal) - Background**

Required for death receptor-dependent apoptosis. When associated with RASSF1, promotes BAX conformational change and translocation to mitochondrial membranes in response to TNF and TNFSF10 stimulation.

#### **MOAP1 / MAP1 Antibody (Internal) - References**

- Tan K.O.,et al.J. Biol. Chem. 276:2802-2807(2001).  
Ota T.,et al.Nat. Genet. 36:40-45(2004).  
Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.  
Baksh S.,et al.Mol. Cell 18:637-650(2005).  
Takaji M.,et al.Cereb. Cortex 19:2865-2879(2009).