

MAP1D Antibody (N-term) Blocking peptide
Synthetic peptide
Catalog # BP10853a**Specification**

MAP1D Antibody (N-term) Blocking peptide - Product InformationPrimary Accession [Q6UB28](#)**MAP1D Antibody (N-term) Blocking peptide - Additional Information****Gene ID** 254042**Other Names**

Methionine aminopeptidase 1D, mitochondrial {ECO:0000255|HAMAP-Rule:MF_03174}, MAP 1D {ECO:0000255|HAMAP-Rule:MF_03174}, MetAP 1D {ECO:0000255|HAMAP-Rule:MF_03174}, 341118 {ECO:0000255|HAMAP-Rule:MF_03174}, Methionyl aminopeptidase type 1D, mitochondrial, Peptidase M 1D {ECO:0000255|HAMAP-Rule:MF_03174}, METAP1D, MAP1D

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.

MAP1D Antibody (N-term) Blocking peptide - Protein Information**Name** METAP1D**Synonyms** MAP1D**Function**

Removes the N-terminal methionine from nascent proteins. The N-terminal methionine is often cleaved when the second residue in the primary sequence is small and uncharged (Met-Ala-, Cys, Gly, Pro, Ser, Thr, or Val). Requires deformylation of the N(alpha)-formylated initiator methionine before it can be hydrolyzed (By similarity). May play a role in colon tumorigenesis.

Cellular Location

Mitochondrion {ECO:0000255|HAMAP-Rule:MF_03174, ECO:0000269|PubMed:14532271}

Tissue Location

Overexpressed in colon cancer cell lines and colon tumors as compared to normal tissues (at protein level)

MAP1D Antibody (N-term) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

MAP1D Antibody (N-term) Blocking peptide - Images

MAP1D Antibody (N-term) Blocking peptide - Background

The N-terminal methionine excision pathway is an essential process in which the N-terminal methionine is removed from many proteins, thus facilitating subsequent protein modification. In mitochondria, enzymes that catalyze this reaction are called methionine aminopeptidases (MetAps, or MAPs; EC 3.4.11.18) (Serero et al., 2003 [PubMed 14532271]).

MAP1D Antibody (N-term) Blocking peptide - References

Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010) Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009) Leszczyniecka, M., et al. Oncogene 25(24):3471-3478(2006) Serero, A., et al. J. Biol. Chem. 278(52):52953-52963(2003)