

**MAP1D Polyclonal Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP57207****Specification**

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**MAP1D Polyclonal Antibody - Product Information**

Application	WB, IHC-P, IHC-F, IF, ICC, E
Primary Accession	<a href="#">Q6UB28</a>
Reactivity	Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	35 KDa
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human MAP1D
Epitope Specificity	251-335/335
Isotype	IgG
<b>Purity</b>	
affinity purified by Protein A	
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Mitochondrion.
SIMILARITY	Belongs to the peptidase M24A family.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

**Background Descriptions**

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]).[supplied by OMIM, Mar 2008]

**MAP1D Polyclonal Antibody - 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}, 3.4.11.18 {ECO:0000255|HAMAP-Rule:MF\_03174}, Methionyl aminopeptidase type 1D, mitochondrial, Peptidase M 1D {ECO:0000255|HAMAP-Rule:MF\_03174}, METAP1D, MAP1D

**Target/Specificity**

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

**Dilution**

<span class = "dilution\_WB">WB~~1:1000</span><br \><span class = "dilution\_IHC-P">IHC-P~~N/A</span><br \><span class = "dilution\_IHC-F">IHC-F~~N/A</span><br \><span class = "dilution\_IF">IF~~1:50~200</span><br \><span class = "dilution\_ICC">ICC~~N/A</span><br \><span class = "dilution\_E">E~~N/A</span>

**Storage**

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

**MAP1D Polyclonal Antibody - 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}

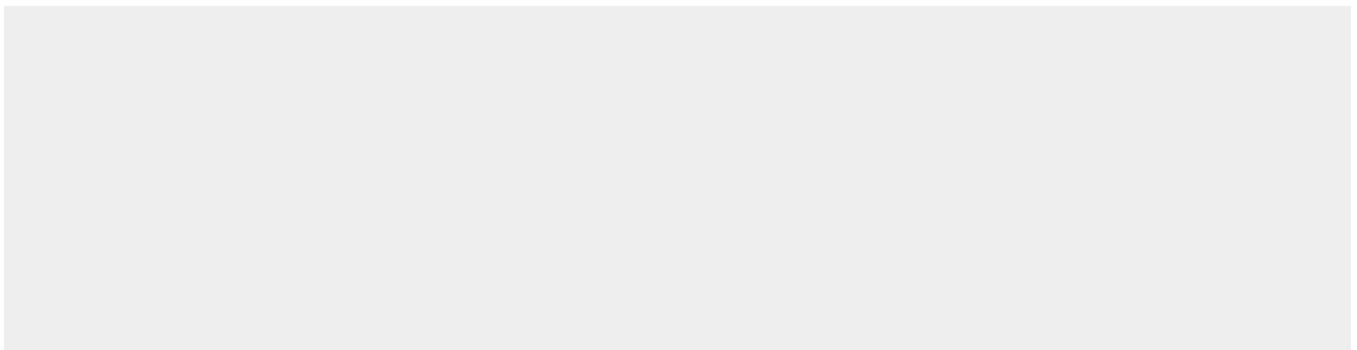
**Tissue Location**

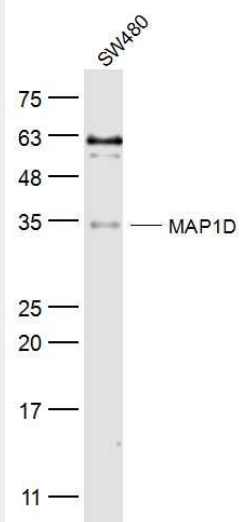
Overexpressed in colon cancer cell lines and colon tumors as compared to normal tissues (at protein level)

**MAP1D Polyclonal Antibody - 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](#)

**MAP1D Polyclonal Antibody - Images**



**Sample:**

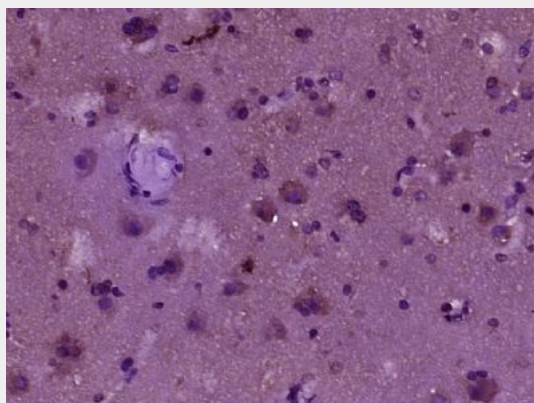
SW480(Human) Cell Lysate at 30 ug

Primary: Anti-MAP1D (bs-18659R) at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 35 kD

Observed band size: 35 kD



Paraformaldehyde-fixed, paraffin embedded (human brain glioma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (MAP1D) Polyclonal Antibody, Unconjugated (bs-18659R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.