10320 Camino Santa Fe, Suite G
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MAP1D Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP57207

Specification

MAP1D Polyclonal Antibody - Product Information

Application	**WB, IHC-P, IHC-F, IF, ICC, E**
Primary Accession	Q6UB28
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**
Purity	
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 celled 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

WB~~1:1000<br \>IHC-P~~N/A<br \>IHC-F~~N/A<br \>IF~~1:50~200<br \>ICC~~N/A<br \>E~~N/A

Format
0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

Storage
Store at -20 ℃ 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 ℃.

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 Cytomety
- Cell Culture

MAP1D Polyclonal Antibody - Images

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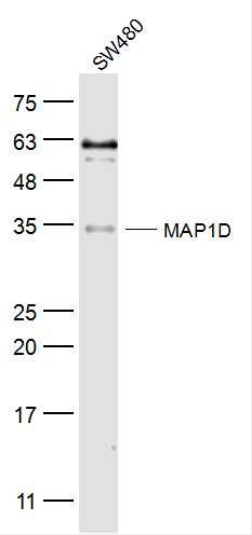
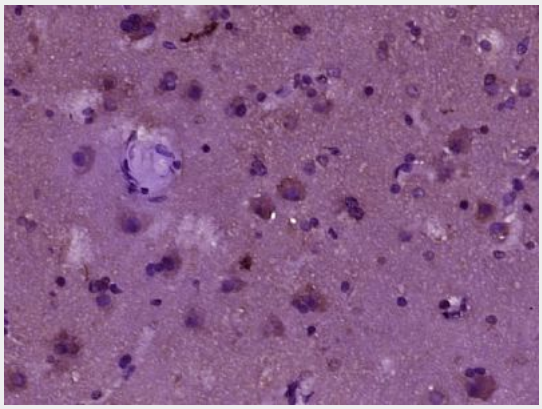


Sample:
SW480(Human) Cell Lysate at 30 ug
Primary: Anti-MAP1D (bs-18659R) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 35 kD
Observed band size: 35 kD



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) instructionsand DAB staining.