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METAP1 Antibody
Mouse Monoclonal Antibody (Mab)
Catalog # AM1922b

Specification

METAP1 Antibody - Product Information

Application	**IHC, WB,E**
Primary Accession	P53582
Other Accession	NP_055958.2
Reactivity	**Human**
Host	**Mouse**
Clonality	**Monoclonal**
Isotype	**IgG1,k**
Calculated MW	**43215**

METAP1 Antibody - Additional Information

Gene ID 23173

Other Names
Methionine aminopeptidase 1 {ECO:0000255|HAMAP-Rule:MF_03174}, MAP 1 {ECO:0000255|HAMAP-Rule:MF_03174}, MetAP 1 {ECO:0000255|HAMAP-Rule:MF_03174}, 341118 {ECO:0000255|HAMAP-Rule:MF_03174}, Peptidase M 1 {ECO:0000255|HAMAP-Rule:MF_03174}, METAP1, KIAA0094

Target/Specificity
This METAP1 monoclonal antibody is generated from mouse immunized with METAP1 recombinant protein.

Dilution
IHC~~1:4000
WB~~1:500~1000

Format
Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein G column, followed by dialysis against PBS.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
METAP1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

METAP1 Antibody - Protein Information

Name METAP1

Synonyms KIAA0094

Function Cotranslationally 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). Required for normal progression through the cell cycle.

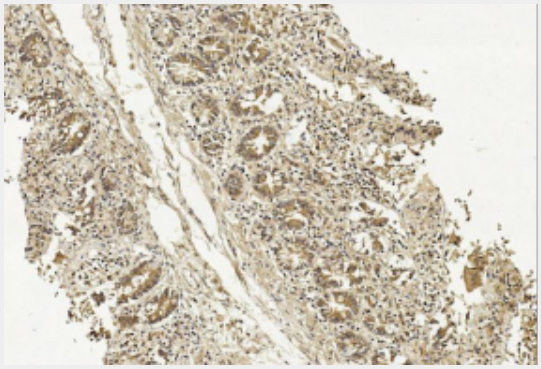
Cellular Location
Cytoplasm {ECO:0000255|HAMAP-Rule:MF_03174}.

METAP1 Antibody - Protocols

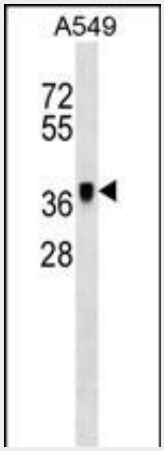
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

METAP1 Antibody - Images



Immunohistochemical analysis of paraffin-embedded Human Small intestine section using Pink1(Cat#AM1922b). AM1922b was diluted at 1:4000 dilution. A undiluted biotinylated goat polyvalent antibody was used as the secondary, followed by DAB staining.



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METAP1 Antibody (Cat. #AM1922b) western blot analysis in A549 cell line lysates (35µg/lane).This demonstrates the METAP1 antibody detected the METAP1 protein (arrow).

METAP1 Antibody - Background

METAP1 removes the amino-terminal methionine from nascent proteins. Required for normal progression through the cell cycle.

METAP1 Antibody - References

Xiao, Q., et al. Biochemistry 49(26):5588-5599(2010)
Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :
Ross, C.J., et al. Nat. Genet. 41(12):1345-1349(2009)
Hu, X.V., et al. Biochemistry 46(44):12833-12843(2007)
Ewing, R.M., et al. Mol. Syst. Biol. 3, 89 (2007) :