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METAP1 Antibody

Mouse Monoclonal Antibody (Mab)
Catalog # AM1922a

Product Information

Application	WB, E
Primary Accession	P53582
Other Accession	NP_055958.2
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1,k
Clone Names	248CT14.6.1
Calculated MW	43215

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	WB~~1:500~16000 E~~Use at an assay dependent concentration.
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.

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}.

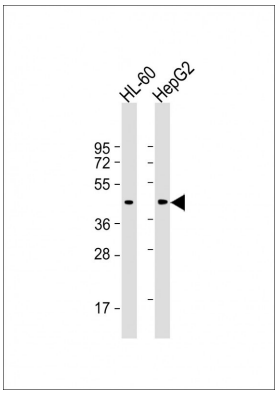
Background

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

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) :

Images



All lanes : Anti-METAP1 Antibody at 1:2000 dilution Lane 1: HL-60 whole cell lysate Lane 2: HepG2 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-mouse IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 43 kDa Blocking/Dilution buffer: 5% NFDM/TBST.