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Methionine Aminopeptidase 2 Antibody

Rabbit mAb
Catalog # AP91959

Product Information

Application	WB, IHC, IF, FC, ICC, IHF
Primary Accession	P50579
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Other Names	Amp2; MAP2; Metap2; MNPEP; p67; p67eIF2;
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	52892

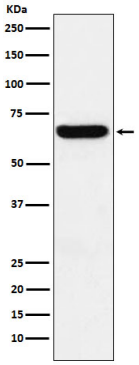
Additional Information

Dilution	WB 1:500~1:2000 IHC 1:50~1:200 ICC/IF 1:50~1:200 FC 1:100
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human Methionine Aminopeptidase 2
Description	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).
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Protein Information

Name	METAP2 {ECO:0000255|HAMAP-Rule:MF_03175}
Synonyms	MNPEP, P67EIF2
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). The catalytic activity of human METAP2 toward Met-Val peptides is consistently two orders of magnitude higher than that of METAP1, suggesting that it is responsible for processing proteins containing N-terminal Met-Val and Met-Thr sequences in vivo.
Cellular Location	Cytoplasm {ECO:0000255|HAMAP-Rule:MF_03175, ECO:0000269|PubMed:21537465}. Note=About 30% of expressed METAP2 associates with polysomes

Images



Western blot analysis of Methionine Aminopeptidase 2 expression in HeLa cell lysate.