Rabbit Methionine Aminopeptidase 2 (METAP2) Polyclonal Antibody | anti-METAP2 antibody

Methionine Aminopeptidase 2 (METAP2) Antibody (C-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA287836	**Rabbit**	**Human (Predicted Reactivity: Bovine, Mouse, Rat)**	**Immunohistochemistry, ELISA, Western Blot**

PRODUCT SYNONYMS

Methionine Aminopeptidase 2 (METAP2); Polyclonal Antibody; Methionine Aminopeptidase 2 (METAP2) Antibody (C-term); Methionine aminopeptidase 2 {ECO:0000255|HAMAP-Rule:MF_03175}; MAP 2 {ECO:0000255|HAMAP-Rule:MF_03175}; MetAP 2 {ECO:0000255|HAMAP-Rule:MF_03175}; 341118 {ECO:0000255|HAMAP-Rule:MF_03175}; Initiation factor 2-associated 67 kDa glycoprotein {ECO:0000255|HAMAP-Rule:MF_03175}; p67 {ECO:0000255|HAMAP-Rule:MF_03175}; p67eIF2 {ECO:0000255|HAMAP-Rule:MF_03175}; Peptidase M {ECO:0000255|HAMAP-Rule:MF_03175}; METAP2 {ECO:0000255|HAMAP-Rule:MF_03175}; anti-METAP2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Bovine, Mouse, Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This Methionine Aminopeptidase 2 (METAP2) antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 437-467 amino acids from the C-terminal region of human Methionine Aminopeptidase 2 (METAP2).
Purity/Purification	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.
Sequence Positions	437-467
Applicable Applications for anti-METAP2 antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Clone Names	RB4959/4960
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
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IHC (Immunohiostchemistry)
Formalin-fixed and paraffin-embedded human hepatocarcinoma tissue reacted with METAP2 antibody (C-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



WB (Western Blot)
Western blot analysis of METAP2 Antibody (C-term) in 293 cell line lysates (35ug/lane). METAP2 (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-METAP2 antibody	The ADP-ribosylation factor (Arf) family are highly conserved members of the Ras superfamily of regulatory GTP-binding proteins. Arf proteins participate in routing of intracellular proteins to and within the Golgi complex. Cellular functions include maintenance of organelle integrity, coat protein assembly, as an activator of phospholipase D. The Arf family is divided functionally into the Arf and the Arf-like (Arl) proteins. The ARF proteins are categorized as class I (ARF1, ARF2,and ARF3), class II (ARF4 and ARF5) and class III (ARF6) and members of each class share a common gene organization.
Product Categories/Family for anti-METAP2 antibody	Metabolism; Signal Transduction
References	Wang, J., et al., Biochemistry 42(17):5035-5042 (2003). Datta, R., et al., Exp. Cell Res. 283(2):237-246 (2003). Endo, H., et al., J. Biol. Chem. 277(29):26396-26402 (2002). Kanno, T., et al., Lab. Invest. 82(7):893-901 (2002). Li, X., et al., Biochem. Biophys. Res. Commun. 227(1):152-159 (1996).

NCBI AND UNIPROT INFORMATION

NCBI GI #	5803092
NCBI GeneID	10988
NCBI Accession #	NP_006829.1
NCBI GenBank Nucleotide #	NM_006838.3
UniProt Accession #	P50579; Q8NB11; B2RDI8; B4DUX5; G3XA91
Molecular Weight	52892
NCBI Official Full Name	methionine aminopeptidase 2
NCBI Official Synonym Full Names	methionyl aminopeptidase 2
NCBI Official Symbol	METAP2
NCBI Official Synonym Symbols	p67; MAP2; MNPEP; p67eIF2
NCBI Protein Information	methionine aminopeptidase 2
UniProt Protein Name	Methionine aminopeptidase 2
UniProt Gene Name	**METAP2**
UniProt Synonym Gene Names	MAP 2; MetAP 2; p67; p67eIF2
UniProt Entry Name	MAP2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.