

Rabbit anti-Mouse methionyl aminopeptidase 2/METAP2 Monoclonal Antibody | anti-METAP2 antibody

Recombinant Anti-methionyl aminopeptidase 2/METAP2 Antibody, Rabbit Monoclonal

CATALOG # AAA257170	HOST Rabbit	REACTIVITY Mouse	APPLICATIONS Immunohistochemistry
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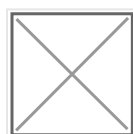
PRODUCT SYNONYMS

methionyl aminopeptidase 2/METAP2; Monoclonal Antibody; Recombinant Anti-methionyl aminopeptidase 2/METAP2 Antibody; Rabbit Monoclonal; MAP2 Antibody; Rabbit MAb; methionyl aminopeptidase 2; Anti-4930584B20Rik Antibody; Anti-A930035J23Rik Antibody; Anti-AI047573 Antibody; Anti-AL024412 Antibody; Anti-Amp2 Antibody; Anti-AU014659 Antibody; Anti-Mnpep Antibody; Anti-p67 Antibody; Anti-p67eIF2 Antibody; anti-METAP2 antibody

PRODUCT SPECIFICATIONS

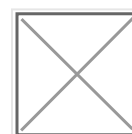
Host	Rabbit
Reactivity	Mouse
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Number	001
Specificity	Mouse methionyl aminopeptidase 2/METAP2
Purity/Purification	Protein A
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-METAP2 antibody	IHC (Immunohistochemistry)
Antibody Type	Recombinant Antibody
Immunogen	Recombinant Mouse MAP2 protein
Conjugation	Unconjugated
Preparation	This antibody was obtained from a rabbit immunized with purified, recombinant Mouse MAP2 (rM MAP2).
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Immunochemical staining of mouse METAP2 in mouse intestine with rabbit monoclonal antibody (1:1000, formalin-fixed paraffin embedded sections).



IHC (Immunohistochemistry)

Immunochemical staining of mouse METAP2 in mouse kidney with rabbit monoclonal antibody (1:1000, formalin-fixed paraffin embedded sections).



IHC (Immunohistochemistry)
Immunochemical staining of mouse METAP2 in mouse spleen with rabbit monoclonal antibody (1:1000, formalin-fixed paraffin embedded sections).

ADDITIONAL INFORMATION

Related Product Information for anti-METAP2 antibody	METAP2 (Methionine aminopeptidase 2), also known as MAP2 is a protein that belongs to the peptidase M24A family. MAP2 binds 2 cobalt or manganese ions and contains approximately 12 O-linked N-acetylglucosamine (GlcNAc) residues. It is found in all organisms and is especially important because of its critical role in tissue repair and protein degradation. The catalytic activity of human MAP2 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. This protein functions both by protecting the alpha subunit of eukaryotic initiation factor 2 from inhibitory phosphorylation and by removing the amino-terminal methionine residue from nascent protein. MAP2 protects eukaryotic initiation factor EIF2S1 from translation-inhibiting phosphorylation by inhibitory kinases such as EIF2AK2/PKR and EIF2AK1/HCR. It also plays a critical role in the regulation of protein synthesis.
References	Bennett, et al. (1997) EPR Studies on the Mono-and Dicobalt (II)-Substituted Forms of the Aminopeptidase from Aeromonas proteolytica. Insight into the Catalytic Mechanism of Dinuclear Hydrolases. J Am Chem Soc. 119:1923-33.Johansson, et al. (2008) Dicobalt II-II, II-III, and III-III Complexes as Spectroscopic Models for Dicobalt Enzyme Active Sites. Inorg Chem. 47:5079-92.Bradshaw, et al. (2002) Aminopeptidases and angiogenesis. Essays Biochem. 38: 5-78.

NCBI AND UNIPROT INFORMATION

NCBI GI #	9789873
NCBI GeneID	56307
NCBI Accession #	NP_062622.1
NCBI GenBank Nucleotide #	NM_019648.3
UniProt Accession #	O08663
Molecular Weight	52,922 Da
NCBI Official Full Name	methionine aminopeptidase 2
NCBI Official Synonym Full Names	methionine aminopeptidase 2
NCBI Official Symbol	Metap2
NCBI Official Synonym Symbols	p67; Amp2; Mnpep; p67eIF2; AI047573; AL024412; AU014659; 4930584B20Rik; A930035J23Rik
NCBI Protein Information	methionine aminopeptidase 2; MAP 2; metAP 2; peptidase M 2; eIF-2-associated p67; initiation factor 2-associated protein (p67); initiation factor 2-associated 67 kDa glycoprotein
UniProt Protein Name	Methionine aminopeptidase 2
UniProt Gene Name	Metap2
UniProt Synonym Gene Names	Mnpep; P67eif2; MAP 2; MetAP 2; p67; p67eIF2
UniProt Entry Name	MAP2_MOUSE

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.