

Rabbit methionyl aminopeptidase 2/METAP2 Polyclonal Antibody | anti-METAP2 antibody

Anti-methionyl aminopeptidase 2/METAP2 Antibody, Rabbit Polyclonal

CATALOG # AAA254548	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry
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PRODUCT SYNONYMS

methionyl aminopeptidase 2/METAP2; Polyclonal Antibody; Anti-methionyl aminopeptidase 2/METAP2 Antibody; Rabbit Polyclonal; MAP2 Antibody; Rabbit PAb; Antigen Affinity Purified; methionyl aminopeptidase 2; Anti-MAP2 Antibody; Anti-MNPEP Antibody; Anti-p67 Antibody; Anti-p67eIF2 Antibody; anti-METAP2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human methionyl aminopeptidase 2/METAP2
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-METAP2 antibody	IHC (Immunohistochemistry)
Immunogen	A synthetic peptide corresponding to the N-terminus of the Human MAP2
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with a synthetic peptide corresponding to the N-terminus of the Human MAP2, and purified by antigen affinity chromatography.
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



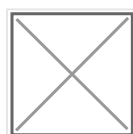
IHC (Immunohistochemistry)

Immunochemical staining METAP2 in rat small intestine with rabbit polyclonal antibody at 1:1000 dilution, formalin-fixed paraffin embedded sections.



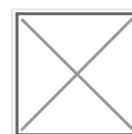
IHC (Immunohistochemistry)

Immunochemical staining METAP2 in mouse small intestine with rabbit polyclonal antibody at 1:1000 dilution, formalin-fixed paraffin embedded sections.



IHC (Immunohistochemistry)

Immunochemical staining Metap2 in human thyroid cancer with rabbit polyclonal antibody (1:1000, formalin-fixed paraffin embedded sections).



IHC (Immunohistochemistry)

Immunochemical staining Metap2 in human prostatic carcinoma with rabbit polyclonal 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 #	5803092
NCBI GeneID	10988
NCBI Accession #	NP_006829.1
NCBI GenBank Nucleotide #	NM_006838.3
UniProt Accession #	P50579; Q8NB11; B2RDI8; B4DUX5; G3XA91
Molecular Weight	50,510 Da
NCBI Official Full Name	methionine aminopeptidase 2 isoform 1
NCBI Official Synonym Full Names	methionyl aminopeptidase 2
NCBI Official Symbol	METAP2
NCBI Official Synonym Symbols	MAP2; MNPEP; p67eIF2
NCBI Protein Information	methionine aminopeptidase 2
UniProt Protein Name	Methionine aminopeptidase 2
UniProt Gene Name	METAP2
UniProt Synonym Gene Names	MNPEP; P67EIF2; MAP 2

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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/methionyl-aminopeptidase-2-metap2-antibody-immunohistochemistry-elisa/254548>