

Methionine Aminopeptidase 2 (METAP2) Antibody (C-term)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP2320b**Specification****Methionine Aminopeptidase 2 (METAP2) Antibody (C-term) - Product Information**

Application	WB, IHC-P,E
Primary Accession	P50579
Other Accession	P38062 , O08663 , Q3ZC89 , NP_006829
Reactivity	Human
Predicted	Bovine, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	52892
Antigen Region	437-467

Methionine Aminopeptidase 2 (METAP2) Antibody (C-term) - Additional Information**Gene ID** 10988**Other Names**

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}

Target/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).

Dilution

WB~~1:1000

IHC-P~~1:10~50

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation 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

Methionine Aminopeptidase 2 (METAP2) Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

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

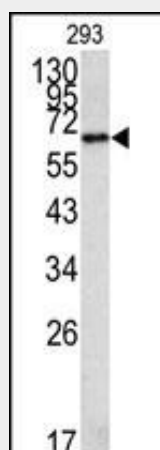
Cytoplasm {ECO:0000255|HAMAP-Rule:MF_03175, ECO:0000269|PubMed:21537465}. Note=About 30% of expressed METAP2 associates with polysomes

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

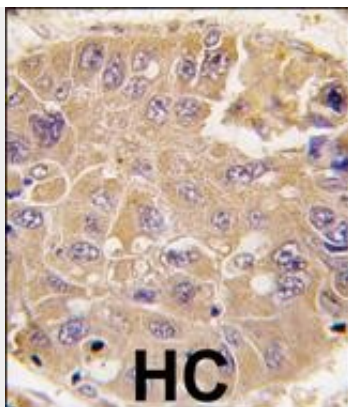
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

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



Western blot analysis of METAP2 Antibody (C-term) (Cat.#AP2320b) in 293 cell line lysates (35ug/lane). METAP2 (arrow) was detected using the purified Pab.



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.

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

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.

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