

METAP2 Antibody (N-term)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP2320a**Specification**

METAP2 Antibody (N-term) - Product Information

Application	WB,E
Primary Accession	P50579
Other Accession	NP_006829
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	52892
Antigen Region	10-40

METAP2 Antibody (N-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 METAP2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 10-40 amino acids from the N-terminal region of human METAP2.

Dilution

WB~~1:1000

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

METAP2 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

METAP2 Antibody (N-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

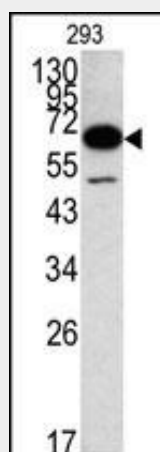
Cytoplasm {ECO:0000255|HAMAP-Rule:MF_03175, ECO:0000269|PubMed:21537465}. Note=About 30% of expressed METAP2 associates with polysomes

METAP2 Antibody (N-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](#)

METAP2 Antibody (N-term) - Images



Western blot analysis of METAP2 Antibody (N-term) (Cat.#AP2320a) in 293 cell line lysates (35ug/lane). METAP2 (arrow) was detected using the purified Pab.

METAP2 Antibody (N-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.

METAP2 Antibody (N-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).