

METAP2 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP2320a**Specification**

METAP2 Antibody (N-term) Blocking Peptide - Product InformationPrimary Accession
Other Accession[P50579](#)
[NP_006829](#)**METAP2 Antibody (N-term) Blocking Peptide - 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}, p67elF2 {ECO:0000255|HAMAP-Rule:MF_03175}, Peptidase M {ECO:0000255|HAMAP-Rule:MF_03175}, METAP2 {ECO:0000255|HAMAP-Rule:MF_03175}

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP2320a](/product/products/AP2320a) was selected from the N-term region of human METAP2. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

METAP2 Antibody (N-term) Blocking Peptide - 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) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

METAP2 Antibody (N-term) Blocking Peptide - Images**METAP2 Antibody (N-term) Blocking Peptide - 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) Blocking Peptide - 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).