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

Synthetic peptide
Catalog # BP2320b

Specification

Methionine Aminopeptidase 2 (METAP2) Antibody (C-term) Blocking peptide - Product Information

Primary Accession	P50579
Other Accession	NP_006829

Methionine Aminopeptidase 2 (METAP2) Antibody (C-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}, p67eIF2 {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 AP2320b was selected from the C-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.

Methionine Aminopeptidase 2 (METAP2) Antibody (C-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

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

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

- Blocking Peptides

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

Methionine Aminopeptidase 2 (METAP2) Antibody (C-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.

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