

STAMBP Antibody (C-term) Blocking peptide
Synthetic peptide
Catalog # BP12698b**Specification**

STAMBP Antibody (C-term) Blocking peptide - Product InformationPrimary Accession [O95630](#)**STAMBP Antibody (C-term) Blocking peptide - Additional Information****Gene ID** 10617**Other Names**STAM-binding protein, 3419-, Associated molecule with the SH3 domain of STAM,
Endosome-associated ubiquitin isopeptidase, STAMBP, AMSH**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.

STAMBP Antibody (C-term) Blocking peptide - Protein Information**Name** STAMBP**Synonyms** AMSH {ECO:0000303|PubMed:10383417}**Function**

Zinc metalloprotease that specifically cleaves 'Lys-63'- linked polyubiquitin chains (PubMed:15314065, PubMed:23542699, PubMed:34425109). Does not cleave 'Lys-48'-linked polyubiquitin chains (PubMed:15314065). Plays a role in signal transduction for cell growth and MYC induction mediated by IL-2 and GM-CSF (PubMed:10383417). Potentiates BMP (bone morphogenetic protein) signaling by antagonizing the inhibitory action of SMAD6 and SMAD7 (PubMed:11483516). Has a key role in regulation of cell surface receptor-mediated endocytosis and ubiquitin-dependent sorting of receptors to lysosomes (PubMed:15314065, PubMed:17261583). Endosomal localization of STAMBP is required for efficient EGFR degradation but not for its internalization

(PubMed:15314065,
PubMed:17261583).
Involved in the negative regulation of PI3K-AKT-mTOR and RAS-MAP signaling pathways
(PubMed:23542699).

Cellular Location

Nucleus. Membrane; Peripheral membrane protein. Cytoplasm. Early endosome

Tissue Location

Ubiquitously expressed.

STAMBP Antibody (C-term) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

STAMBP Antibody (C-term) Blocking peptide - Images**STAMBP Antibody (C-term) Blocking peptide - Background**

Cytokine-mediated signal transduction in the JAK-STAT cascade requires the involvement of adaptor molecules. One such signal-transducing adaptor molecule contains an SH3 domain that is required for induction of MYC and cell growth. The protein encoded by this gene binds to the SH3 domain of the signal-transducing adaptor molecule, and plays a critical role in cytokine-mediated signaling for MYC induction and cell cycle progression. Multiple alternatively spliced transcript variants encoding the same protein isoform have been found for this gene.

STAMBP Antibody (C-term) Blocking peptide - References

Sierra, M.I., et al. J. Biol. Chem. 285(18):13990-14004(2010) Hasdemir, B., et al. J. Biol. Chem. 284(41):28453-28466(2009) Venkatesan, K., et al. Nat. Methods 6(1):83-90(2009) Wang, P., et al. BMC Genomics 10, 518 (2009) :Sato, Y., et al. Nature 455(7211):358-362(2008)