

AMSH Antibody
Rabbit mAb
Catalog # AP92870**Specification****AMSH Antibody - Product Information**

Application	WB
Primary Accession	O95630
Clonality	Monoclonal
Other Names	
AMSH; MICC/IFAP; STAM binding protein; Stambp;	
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	48077 Da

AMSH Antibody - Additional Information

Dilution	WB~~1:1000
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human AMSH
Description	Zinc metalloprotease that specifically cleaves 'Lys-63'-linked polyubiquitin chains. Does not cleave 'Lys-48'-linked polyubiquitin chains (By similarity). Functions at the endosome and is able to oppose the ubiquitin-dependent sorting of receptors to lysosomes.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

AMSH Antibody - 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:15314065).

[10383417](http://www.uniprot.org/citations/10383417)). Potentiates BMP (bone morphogenetic protein) signaling by antagonizing the inhibitory action of SMAD6 and SMAD7 (PubMed:[11483516](http://www.uniprot.org/citations/11483516)). Has a key role in regulation of cell surface receptor-mediated endocytosis and ubiquitin-dependent sorting of receptors to lysosomes (PubMed:[15314065](http://www.uniprot.org/citations/15314065), PubMed:[17261583](http://www.uniprot.org/citations/17261583)). Endosomal localization of STAMBP is required for efficient EGFR degradation but not for its internalization (PubMed:[15314065](http://www.uniprot.org/citations/15314065), PubMed:[17261583](http://www.uniprot.org/citations/17261583)). Involved in the negative regulation of PI3K-AKT-mTOR and RAS-MAP signaling pathways (PubMed:[23542699](http://www.uniprot.org/citations/23542699)).

Cellular Location

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

Tissue Location

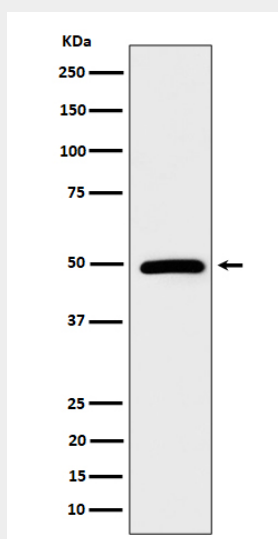
Ubiquitously expressed.

AMSH Antibody - 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](#)

AMSH Antibody - Images



Western blot analysis of AMSH expression in HeLa cell lysate.