ARG58234
anti-STAMBP / AMSH antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes STAMBP / AMSH
Tested Reactivity	Hu, Ms, Rat
Tested Application	ICC/IF, IHC-P, IP, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	STAMBP / AMSH
Species	Human
Immunogen	Recombinant fusion protein corresponding to aa. 100-270 of Human STAMBP (NP_998787.1).
Conjugation	Un-conjugated
Alternate Names	Endosome-associated ubiquitin isopeptidase; AMSH; Associated molecule with the SH3 domain of STAM; MICCAP; STAM-binding protein; EC 3.4.19.-

Application Instructions

Application table

Application	Dilution
ICC/IF	1:50 - 1:200
IHC-P	1:50 - 1:200
IP	1:50 - 1:200
WB	1:500 - 1:2000

Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.
Positive Control	MCF7
Observed Size	48 kDa

Properties

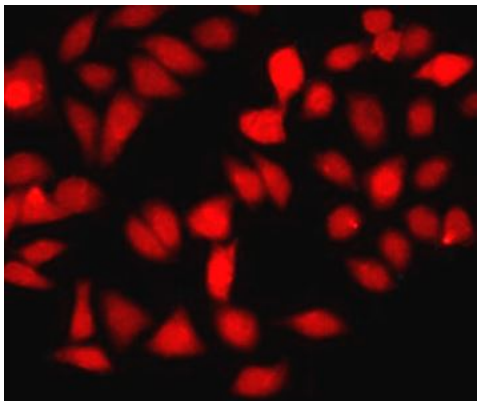
Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw

	cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

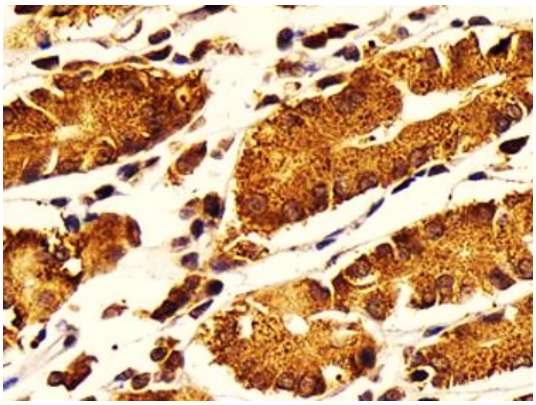
Gene Symbol	STAMBP
Gene Full Name	STAM binding protein
Background	Cytokine-mediated signal transduction in the JAK-STAT cascade requires the involvement of adaptor molecules. One such signal-transducing adaptor molecule contains an SH3 domain that is required for induction of MYC and cell growth. The 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. [provided by RefSeq, Jul 2008]
Function	Zinc metalloprotease that specifically cleaves 'Lys-63'-linked polyubiquitin chains. Does not cleave 'Lys-48'-linked polyubiquitin chains (By similarity). Plays a role in signal transduction for cell growth and MYC induction mediated by IL-2 and GM-CSF. Potentiates BMP (bone morphogenetic protein) signaling by antagonizing the inhibitory action of SMAD6 and SMAD7. Has a key role in regulation of cell surface receptor-mediated endocytosis and ubiquitin-dependent sorting of receptors to lysosomes. Endosomal localization of STAMBP is required for efficient EGFR degradation but not for its internalization (By similarity). Involved in the negative regulation of PI3K-AKT-mTOR and RAS-MAP signaling pathways. [UniProt]
Calculated Mw	48 kDa
PTM	Phosphorylated after BMP type I receptor activation. Ubiquitinated by SMURF2 in the presence of RNF11. [UniProt]
Cellular Localization	Nucleus, Membrane, Peripheral membrane protein, Cytoplasm, Early endosome. [UniProt]

Images



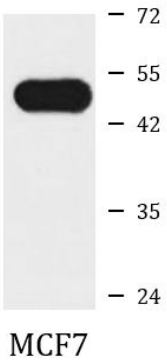
ARG58234 anti-STAMBP / AMSH antibody ICC/IF image

Immunofluorescence: U2OS cells stained with ARG58234 anti-STAMBP / AMSH antibody.



ARG58234 anti-STAMBP / AMSH antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human stomach stained with ARG58234 anti-STAMBP / AMSH antibody at 1:100 dilution.



ARG58234 anti-STAMBP / AMSH antibody WB image

Western blot: 25 µg of MCF7 cell lysate stained with ARG58234 anti-STAMBP / AMSH antibody at 1:1000 dilution.