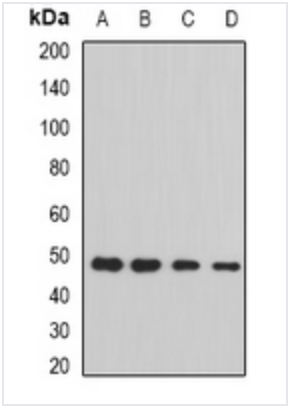
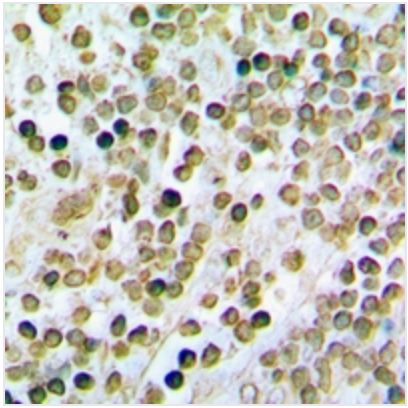
STAMBP Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

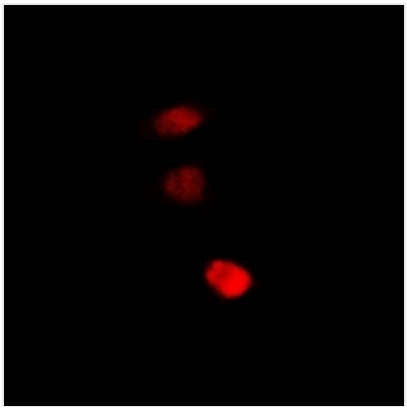
Product Name	STAMBP, Polyclonal Antibody
Full Product Name	Anti-STAMBP Antibody
Product Gene Name	anti-STAMBP antibody
Product Synonym Names	AMSH; STAM-binding protein; Associated molecule with the SH3 domain of STAM; Endosome-associated ubiquitin isopeptidase
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Purity/Purification	The antibody was purified by immunogen affinity chromatography.
Specificity	Recognizes endogenous levels of STAMBP protein.
Preparation and Storage	Upon delivery aliquot and store at -20°C. Avoid freeze/thaw cycles.
OMIM	606247
3D Structure	ModBase 3D Structure for O95630
Immunogen	Recombinant full length protein of human STAMBP
Applications Tested/Suitable for anti-STAMBP antibody	Western Blot (WB), Immunohistochemistry (IHC), Immunofluorescence/Immunocytochemistry (IF/ICC)
Application Notes for anti-STAMBP antibody	WB: 1/500 - 1/2000 IHC: 1/50 - 1/200 IF/ICC: 1/50 - 1/100
Related Product Information for anti-STAMBP antibody	MBS8245791 is an antibody targeting STAMBP. Reactive in Human, Mouse, Rat. Host: Rabbit. Rabbit polyclonal antibody to STAMBP
Other Notes	Small volumes of anti-STAMBP antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Western Blot (WB) of anti-STAMBP antibody
Western blot analysis of STAMBP expression in HepG2 (A), Hela (B), mouse brain (C), rat lung (D) whole cell lysates.



Immunohistochemistry (IHC) of anti-STAMBP antibody
Immunohistochemical analysis of STAMBP staining in rat spleen formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescence (IF) of anti-STAMBP antibody
Immunofluorescent analysis of STAMBP staining in U2OS cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for STAMBP. It may not necessarily be applicable to this product.

NCBI GI #	5453545
NCBI GeneID	10617
NCBI Accession #	NP_006454.1
UniProt Primary Accession #	O95630
UniProt Secondary Accession #	Q3MJE7; B5M0B6; D6W5H7
UniProt Related Accession #	O95630
GenBank Nucleotide #	NM_006463.4
NCBI Official Full Name	STAM-binding protein
NCBI Official Synonym Full Names	STAM binding protein
NCBI Official Symbol	STAMBP

NCBI Official Synonym Symbols	AMSH; MICCAP
UniProt Protein Name	STAM-binding protein
UniProt Synonym Protein Names	Associated molecule with the SH3 domain of STAM; Endosome-associated ubiquitin isopeptidase
Protein Family	STAM-binding protein
UniProt Gene Name	STAMBP
UniProt Synonym Gene Names	AMSH
UniProt Entry Name	STABP_HUMAN
NCBI Protein Information	STAM-binding protein
NCBI Summary for STAMBP	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]
UniProt Comments for STAMBP	AMSH: an adaptor protein involved in cytokine signal transduction the JAK-STAT cascade. Binds to the SH3 domain of the signal-transducing adaptor molecule STAM (signal transducing adaptor molecule). May play a critical role in cytokine-mediated signaling for MYC induction and cell cycle progression. Protein type: EC 3.4.19.-; Ubiquitin-specific protease; Protease; EC 3.1.2.15 Chromosomal Location of Human Ortholog: 2p13.1 Cellular Component: cleavage furrow; cytoplasm; early endosome; nucleoplasm; nucleus; plasma membrane Molecular Function: metal ion binding; metallopeptidase activity; protein binding; protein domain specific binding; ubiquitin-specific protease activity Biological Process: cytokinesis after mitosis; JAK-STAT cascade; negative regulation of neuron apoptosis; negative regulation of phosphoinositide 3-kinase cascade; negative regulation of Ras protein signal transduction; positive regulation of cell proliferation; protein deubiquitination Disease: Microcephaly-capillary Malformation Syndrome
Research Articles on STAMBP	**1.** Two siblings with classic features of MIC-CAP syndrome that harbor a novel predicted splice mutation in STAMBP
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