

Rabbit STAM1 Polyclonal Antibody | anti-STAM antibody

STAM1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA329025	Rabbit	Human, Mouse, Rat Predicted Reactivity: Pig(100%), Zebrafish(100%), Bovine(100%), Horse(100%), Sheep(100%), Rabbit(100%), Dog(100%), Chicken(100%), Xenopus(100%)	ELISA

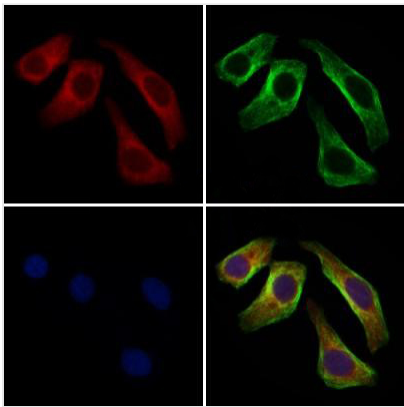
PRODUCT SYNONYMS

STAM1; Polyclonal Antibody; STAM1 Antibody; HSE1 homolog; Signal transducing adapter molecule 1; signal transducing adaptor molecule (SH3 domain and ITAM motif) 1; STAM; STAM-1; STAM1_HUMAN; anti-STAM antibody

PRODUCT SPECIFICATIONS

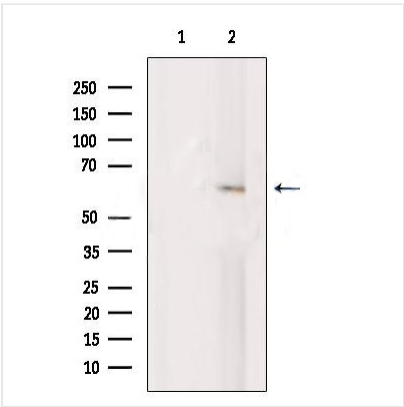
Host	Rabbit
Reactivity	Human, Mouse, Rat Predicted Reactivity: Pig(100%), Zebrafish(100%), Bovine(100%), Horse(100%), Sheep(100%), Rabbit(100%), Dog(100%), Chicken(100%), Xenopus(100%)
Clonality	Polyclonal
Isotype	IgG
Specificity	STAM1 Antibody detects endogenous levels of total STAM1.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin (Thermo Fisher Scientific).
Form/Format	Liquid. Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol
Concentration	1mg/ml (varies by lot)
Sequence Length	540
Applicable Applications for anti-STAM antibody	ELISA
Immunogen	A synthesized peptide derived from human STAM1, corresponding to a region within N-terminal amino acids.
Fragment	Fab fragment
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA329025 staining HeLa cells by IF/ICC. The samples were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25Å°C. Samples were then incubated with primary Ab(AAA329025 1:200) and mouse anti-beta tubulin Ab(T0023 1:200) for 1 hour at 37Å°C. An AlexaFluor594 conjugated goat anti-rabbit IgG(H+L) Ab(Red) and an AlexaFluor488 conjugated goat anti-mouse IgG(H+L) Ab(Green) were used as the secondary antibody. The nuclear counter stain is DAPI(blue).



WB (Western Blot)

Western blot analysis of extracts from Pc12, using STAM1 Antibody. The lane on the left was treated with blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-STAM antibody	Function: Involved in intracellular signal transduction mediated by cytokines and growth factors. Upon IL-2 and GM-CSL stimulation, it plays a role in signaling leading to DNA synthesis and MYC induction. May also play a role in T-cell development. Involved in down-regulation of receptor tyrosine kinase via multivesicular body (MVBs) when complexed with HGS (ESCRT-0 complex). The ESCRT-0 complex binds ubiquitin and acts as sorting machinery that recognizes ubiquitinated receptors and transfers them to further sequential lysosomal sorting/trafficking processes. Post Translational Modifications: Phosphorylated on Tyr-198. Phosphorylated in response to IL2, IL3, IL4, IL7, CSF2/GM-CSF, EGF and PDGFRB. Phosphorylated by activated PDGFRB. Ubiquitinated by ITCH. Subcellular Location: Cytoplasm. Early endosome membrane>Peripheral membrane protein>Cytoplasmic side. Tissue Specificity: Ubiquitously expressed. Subunit Structure: Component of the ESCRT-0 complex composed of STAM or STAM2 and HGS (PubMed:11687594, PubMed:9407053, PubMed:19278655). Probably part of a complex at least composed of HSG, STAM and EPS15 (PubMed:12551915). Found in a complex with HGS and E3 ligase ITCH and DTX3L (PubMed:24790097). Interacts with E3 ligase DTX3L; the interaction brings together STAM and HSG, promotes their recruitment to early endosomes and decreases STAM and HGS ubiquitination by ITCH (PubMed:24790097). Interacts with STAMBP/AMSH (PubMed:10383417). Interacts with PDGFRB (PubMed:20494825). Interacts with LITAF; the interaction is direct (PubMed:23166352). Identified in a complex with HGS and LITAF (PubMed:23166352). Similarity: The VHS domain mediates high-avidity binding to Lys63-linked and Lys48-linked polyubiquitinated cargos. Belongs to the STAM family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	71153545
NCBI GeneID	8027
UniProt Accession #	Q92783
Molecular Weight	Observed Molecular Weight: (Observed)59kD. Predicted Molecular Weight: (Calculated)59kDa.
NCBI Official Full Name	Signal transducing adapter molecule 1

NCBI Official Synonym Full Names	signal transducing adaptor molecule
NCBI Official Symbol	STAM
NCBI Official Synonym Symbols	STAM1; STAM-1
NCBI Protein Information	signal transducing adapter molecule 1
UniProt Protein Name	Signal transducing adapter molecule 1
UniProt Gene Name	STAM
UniProt Synonym Gene Names	STAM1; STAM-1
UniProt Entry Name	STAM1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/stam1-antibody-elisa/329025>