Rabbit STAM2 Polyclonal Antibody | anti-STAM2 antibody

STAM2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA322630	**Rabbit**	**Human, Mouse, Rat**	**ELISA, Immunocytochemistry, Immunofluorescence, Western Blot**

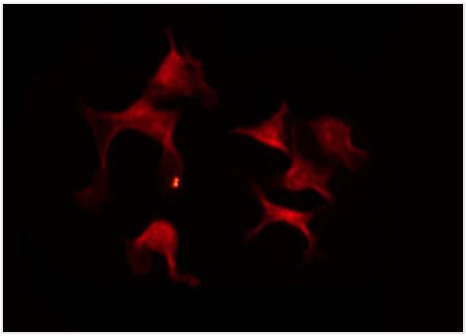
PRODUCT SYNONYMS

STAM2; Polyclonal Antibody; STAM2 Antibody; DKFZp564C047; Hbp; Hrs-binding protein; HSE1 homolog; Signal transducing adapter molecule 2; Signal transducing adaptor molecule (SH3 domain and ITAM motif) 2; Signal transducing adaptor molecule 2A; Signal transducing adaptor molecule 2B; Signal transducing adaptor molecule; STAM like protein containing SH3 and ITAM domains 2; STAM-2; Stam2; STAM2_HUMAN; STAM2A; STAM2B; anti-STAM2 antibody

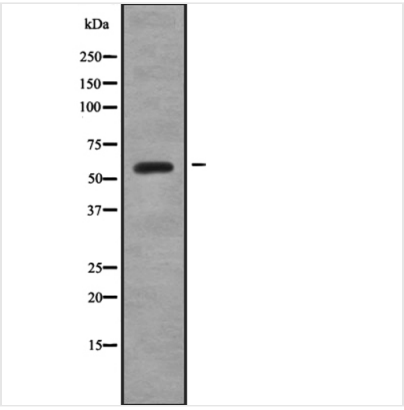
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	STAM2 antibody detects endogenous levels of total STAM2
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	525
Applicable Applications for anti-STAM2 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide derived from human STAM2
Subcellular Location	Cytoplasm. Early endosome membrane.
Tissue Specificity	Ubiquitously expressed.
Predicted Cross Reactivity	**Pig, Bovine, Sheep, Dog, Chicken**
Similarity	Pig (89%), Bovine (89%), Sheep (89%), Dog (89%), Chicken (89%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

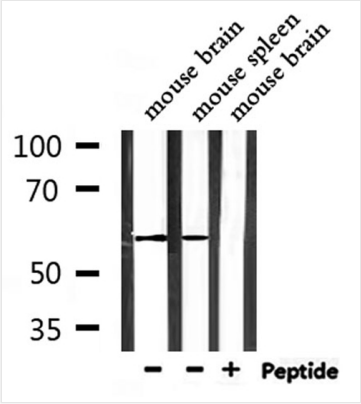
IMAGES



IF (Immunofluorescence)
AAA322630 staining NIH-3T3 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



WB (Western Blot)
Western blot analysis STAM2 using NIH-3T3 whole cell lysates



WB (Western Blot)
Western blot analysis of extracts from mouse brain and mouse spleen, using STAM2 Antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-STAM2 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 (By similarity). Subunit Structure: Component of the ESCRT-0 complex composed of STAM or STAM2 and HGS. Part of a complex at least composed of HSG, STAM2 and EPS15. Interacts with JAK2 and JAK3. Interacts with ubiquitinated proteins and the deubiquitinating enzyme USP8/UBPY (By similarity). Interacts (via the via the PxVxL motif) with CBX5; the interaction is direct. Interacts with VPS37C. Interacts with ubiquitin; the interaction is direct. Interacts (via UIM domain) with UBQLN1 (via ubiquitin-like domain) (By similarity). Post-translational Modifications: Phosphorylated in response to IL-2, GM-CSF, EGF and PDGF. Similarity: The VHS and UIM domains mediate the interaction with ubiquitinated proteins.The SH3 domain mediates the interaction with USP8.Contains one Pro-Xaa-Val-Xaa-Leu (PxVxL) motif, which is required for interaction with chromoshadow domains. This motif requires additional residues-7, -6, +4 and +5 of the central Val which contact the chromoshadow domain. Belongs to the STAM family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	188219625
NCBI GeneID	10254

NCBI Accession #	NP_005834.4
NCBI GenBank Nucleotide #	NM_005843.5
UniProt Accession #	O75886; Q7LDQ0; Q9UF58; A8K8A0; D3DPA1
Molecular Weight	Observed: 58 kDa Predicted: 59 kDa
NCBI Official Full Name	signal transducing adapter molecule 2
NCBI Official Synonym Full Names	signal transducing adaptor molecule 2
NCBI Official Symbol	STAM2
NCBI Official Synonym Symbols	Hbp; STAM2A; STAM2B
NCBI Protein Information	signal transducing adapter molecule 2
UniProt Protein Name	Signal transducing adapter molecule 2
UniProt Gene Name	**STAM2**
UniProt Synonym Gene Names	HBP; STAM-2

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: https://stage.aaabiotech.com/polyclonal/stam2-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/322630