

Rabbit STAM2 Polyclonal Antibody | anti-STAM2 antibody

Phospho-STAM2 (Tyr371) Antibody

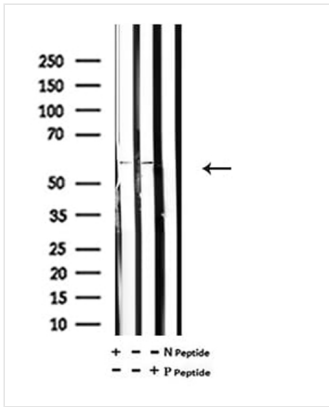
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA328330	Rabbit	Human, Mouse Predicted: Pig, Bovine, Horse, Sheep, Rabbit, Dog, Xenopus	ELISA, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

STAM2; Polyclonal Antibody; Phospho-STAM2 (Tyr371) 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

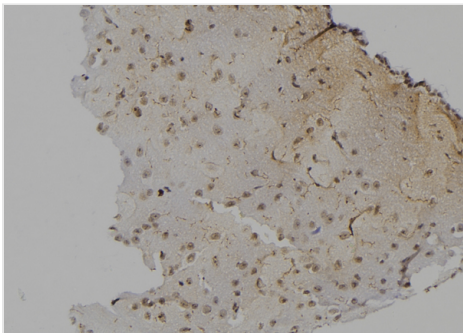
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse Predicted: Pig, Bovine, Horse, Sheep, Rabbit, Dog, Xenopus
Clonality	Polyclonal
Isotype	IgG
Specificity	Phospho-STAM2 (Tyr371) Antibody detects endogenous levels of STAM2 only when phosphorylated at Tyr371.
Purity/Purification	Purified rabbit serum by affinity purification via sequential chromatography on phospho- and non-phospho-peptide affinity columns.
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 (Peptide ELISA), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human STAM2 around the phosphorylation site of Tyr371.
Tissue Specificity	Ubiquitously expressed.
Subcellular Location	Endosome
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.



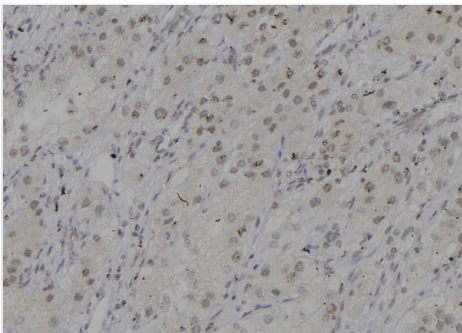
WB (Western Blot)

Western blot analysis of Phospho-STAM2 (Tyr371) in lysates of NIH-3T3 EGF 200ng/ml 30', using Phospho-STAM2 (Tyr371) Antibody.



IHC (Immunohistochemistry)

At 1/100 staining mouse brain tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary



IHC (Immunohistochemistry)

At 1/100 staining human kidney tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary

ADDITIONAL INFORMATION

Related Product Information for anti-STAM2 antibody

Description: 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).

Post Translational Modifications: Phosphorylated in response to IL-2, GM-CSF, EGF and PDGF.

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).

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
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NCBI GeneID	10254
NCBI Accession #	NP_005834.4
NCBI GenBank Nucleotide #	NP_005834.4
UniProt Accession #	O75886
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
UniProt Entry Name	STAM2_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/stam2-antibody-peptide-elisa-immunohistochemistry-western-blot-elisa/328330>