STAM2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	STAM2, Polyclonal Antibody
Full Product Name	STAM2, ID (STAM2, HBP, Signal transducing adapter molecule 2, Hrs-binding protein) (MaxLight 405)
Product Gene Name	anti-STAM2 antibody
Product Synonym Names	STAM2; HBP; Signal transducing adapter molecule 2; Hrs-binding protein
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight405.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight405 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	58,164 Da
Chromosome Location	Chromosome: 2; NC_000002.11 (152973315..153032506, complement). Location: 2q23.3
OMIM	606244
3D Structure	ModBase 3D Structure for O75886
Immunogen	STAM2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 142-172 amino acids from the Central region of human STAM2.
Conjugate	MaxLight405
Note	Preservative Free
Product Categories/Family for anti-STAM2 antibody	Antibodies; Adapter Proteins
Applications Tested/Suitable for anti-STAM2 antibody	Western Blot (WB), FLISA
Application Notes for anti-STAM2 antibody	WB: 1:100-500 FLISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-STAM2 antibody	The protein encoded by this gene is closely related to STAM, an adaptor protein involved in the downstream signaling of cytokine receptors, both of which contain a SH3 domain and the immunoreceptor tyrosine-based activation motif (ITAM). Similar to STAM, this protein acts downstream of JAK kinases, and is phosphorylated in response to cytokine stimulation. This protein and STAM thus are thought to exhibit compensatory effects on the signaling pathway downstream of JAK kinases upon cytokine stimulation.
Product References and Citations for anti-STAM2 antibody	Stuible, M., et al. J. Biol. Chem. 285(31):23899-23907(2010). Rismanchi, N., et al. Traffic 10(2):201-217(2009). Venkatesan, K., et al. Nat. Methods 6(1):83-90(2009). Kong, C., et al. J. Biol. Chem. 282(20):15294-15301(2007). Olsen, J.V., et al. Cell 127(3):635-648(2006).

Other Notes	Small volumes of anti-STAM2 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.
Searchable Terms for STAM2 purchase	MBS6351691 is an antibody targeting STAM2. Also known as STAM2, ID (STAM2, HBP, Signal transducing adapter molecule 2, Hrs-binding protein) (MaxLight 405). Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for STAM2. It may not necessarily be applicable to this product.

NCBI GI #	188219625
NCBI GeneID	10254
NCBI Accession #	NP_005834.4
UniProt Primary Accession #	O75886
UniProt Secondary Accession #	Q7LDQ0; Q9UF58; A8K8A0; D3DPA1
UniProt Related Accession #	O75886
GenBank Nucleotide #	NM_005843.4
NCBI Official Full Name	signal transducing adapter molecule 2
NCBI Official Synonym Full Names	signal transducing adaptor molecule (SH3 domain and ITAM motif) 2
NCBI Official Symbol	STAM2
NCBI Official Synonym Symbols	Hbp; STAM2A; STAM2B
UniProt Protein Name	Signal transducing adapter molecule 2
UniProt Synonym Protein Names	Hrs-binding protein
Protein Family	Signal transducing adapter molecule
UniProt Gene Name	STAM2
UniProt Synonym Gene Names	HBP; STAM-2
UniProt Entry Name	STAM2_HUMAN
NCBI Protein Information	signal transducing adapter molecule 2; STAM-2; HSE1 homolog; Hrs-binding protein; STAM-like protein containing SH3 and ITAM domains 2
UniProt Comments for STAM2	STAM2: an adaptor protein involved in the downstream signaling of cytokine receptors. Contain a SH3 domain and immunoreceptor tyrosine-based activation motif (ITAM). Acts downstream of JAK kinases, and is phosphorylated in response to cytokine stimulation. May modulate the signaling pathway downstream of JAK kinases upon cytokine stimulation. Protein type: Adaptor/scaffold; Motility/polarity/chemotaxis Chromosomal Location of Human Ortholog: 2q23.3 Cellular Component: nucleoplasm; intracellular membrane-bound organelle; early endosome membrane; cytoplasm; cytosol Molecular Function: protein binding Biological Process: epidermal growth factor receptor signaling pathway; negative regulation of epidermal growth factor receptor signaling pathway; intracellular protein transport; endosome transport
Research Articles on STAM2	**1.** The study reports the solution NMR structure of the STAM2-VHS domain in complex with monoubiquitin by means of chemical shift perturbations, spin relaxation, and paramagnetic relaxation enhancements.

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