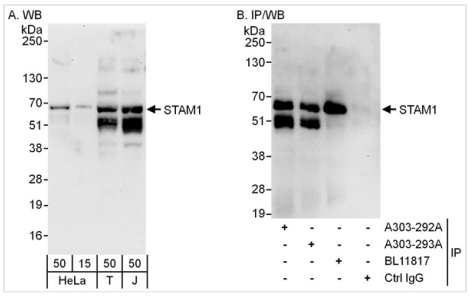
STAM1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	STAM1, Polyclonal Antibody
Full Product Name	Rabbit anti-STAM1 Antibody, Affinity Purified
Product Gene Name	anti-STAM1 antibody
Product Synonym Gene Name	STAM
Product Synonym Names	HSE1 homolog; signal transducing adapter molecule 1; signal transducing adaptor molecule (SH3 domain and ITAM motif) 1; STAM1; STAM-1; Signal transducing adapter molecule 1; signal transducing adaptor molecule
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid. Whole IgG. Tris-buffered Saline containing 0.1% BSA and 0.09% Sodium Azide
Purity/Purification	Antigen Affinity Purified
Concentration	200ug/ml (lot specific)
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt
Molecular Weight	44,972 Da
OMIM	601899
3D Structure	ModBase 3D Structure for Q92783
Immunogen	Between 300 and 350
Conjugation	Unconjugated
Product Categories/Family for anti-STAM1 antibody	Primary Antibodies
Applications Tested/Suitable for anti-STAM1 antibody	Western Blot (WB), Immunoprecipitation (IP)
Application Notes for anti-STAM1 antibody	WB: 1:2000-1:10,000 IP: 6ug/mg lysate
Related Product Information for anti-STAM1 antibody	Signal transducing adapter molecule 1 is 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. STAM1 may also play a role in T-cell development [taken from the Universal Protein Resource (UniProt) www.uniprot.org/uniprot/Q92783].
Other Notes	Small volumes of anti-STAM1 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 STAM1 purchase	MBS3903576 is an antibody targeting STAM1. Also known as Rabbit anti-STAM1 Antibody, Affinity Purified. Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-STAM1 antibody
Detection of human STAM1 by western blot and immunoprecipitation. Samples: Whole cell lysate from HeLa (15 and 50 ug for WB; 1 mg for IP, 20% of IP loaded), HEK293T (T; 50 ug) and Jurkat (J; 50 ug) cells. Antibodies: Affinity purified rabbit anti-STAM1 antibody MBS3903576 used for WB at 0.04 ug/ml (A) and 1 ug/ml (B) and used for IP at 6 ug/mg lysate. STAM1 was also immunoprecipitated by rabbit anti-STAM1 antibodies MBS3903577 and BL11817, which recognize downstream epitopes. Detection: Chemiluminescence with exposure times of 30 seconds (A) and 10 seconds (B).

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for STAM1. It may not necessarily be applicable to this product.

NCBI GI #	4507249
NCBI GeneID	8027
NCBI Accession #	NP_003464.1
UniProt Primary Accession #	Q92783
UniProt Secondary Accession #	Q8N6D9; B0YJ99; D3DRU5
UniProt Related Accession #	Q92783
GenBank Nucleotide #	NM_003473.4
NCBI Official Full Name	signal transducing adapter molecule 1 isoform a
NCBI Official Synonym Full Names	signal transducing adaptor molecule
NCBI Official Symbol	STAM
NCBI Official Synonym Symbols	STAM1; STAM-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
NCBI Protein Information	signal transducing adapter molecule 1
NCBI Summary for STAM1	This gene encodes a member of the signal-transducing adaptor molecule family. These proteins mediate downstream signaling of cytokine receptors and also play a role in ER to Golgi trafficking by interacting with the coat protein II complex. The encoded protein also associates with hepatocyte growth factor-regulated substrate to form the endosomal sorting complex required for transport-0 (ESCRT-0), which sorts ubiquitinated membrane proteins to the ESCRT-1 complex for lysosomal degradation. Alternatively spliced transcript variants have been observed for this gene. [provided by RefSeq, Feb 2011]

UniProt Comments for STAM1	STAM1: 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. Belongs to the STAM family. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Motility/polarity/chemotaxis; Adaptor/scaffold Chromosomal Location of Human Ortholog: 10p14-p13 Cellular Component: early endosome membrane; cytosol Molecular Function: protein binding; SH3/SH2 adaptor activity Biological Process: negative regulation of epidermal growth factor receptor signaling pathway; epidermal growth factor receptor signaling pathway; intracellular protein transport; positive regulation of signal transduction; signal transduction; endosome transport
Research Articles on STAM1	**1.** The beta-arrestin1.STAM1 complex is necessary for promoting autophosphorylation of focal adhesion kinase (FAK). FAK is necessary for CXCL12-induced chemotaxis and associates with and localizes with beta-arrestin1 and STAM1 in a CXCL12-dependent manner.
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