STAM Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	STAM, Polyclonal Antibody
Full Product Name	STAM (N-Term) Rabbit pAb
Product Gene Name	anti-STAM antibody
Product Synonym Names	Signal transducing adapter molecule 1; STAM-1; STAM; STAM1
Clonality	Polyclonal
Isotype	Ig
Clone Number	RB4633
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Supplied in PBS with 0.09% (W/V) Sodium Azide. This antibody is purified through a protein G column, eluted with high and low pH buffers and neutralized immediately, followed by dialysis against PBS.
Purity/Purification	Affinity Purified
OMIM	601899
3D Structure	ModBase 3D Structure for Q92783
Immunogen	This STAM antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of human STAM.
Cellular Localization	Cytoplasm, Endosome, Membrane
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-STAM antibody	Western Blot (WB)
Application Notes for anti-STAM antibody	WB: 1:1000
Related Product Information for anti-STAM antibody	MBS8553791 is an antibody targeting STAM. Also known as STAM (N-Term) Rabbit pAb. Reactive in Human, Mouse. Host: Rabbit.
Other Notes	Small volumes of anti-STAM 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.

ADDITIONAL DETAILS

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

NCBI GI #	71153545
NCBI GeneID	8027
NCBI Accession #	Q92783.3
UniProt Primary Accession #	Q92783
UniProt Related Accession #	Q92783

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
UniProt Protein Name	Signal transducing adapter molecule 1
Protein Family	Signal transducing adapter molecule
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 STAM	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 STAM	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 STAM	**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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