



STAM1 Polyclonal Antibody

Catalog No	YP-Ab-07678
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB;ELISA
Gene Name	STAM STAM1
Immunogen	Synthesized peptide derived from part region of human protein AA range: 156-206
Specificity	STAM1 Polyclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	Hbp;STAM2A;STAM2B;STAM-1;STAM1;124O12Rik;573456G7Rik;STAM2_HUMAN;STAM2;STAM-2;Hrs-binding protein;STAM1_HUMAN;STAM;STAM2_MOUSE;STAM1_MOUSE;STAM2_RAT;signal transducing adaptor molecule 2;signal transducing adaptor molecule (SH3 domain and ITAM motif) 2;HSE1 homolog (S. cerevisiae);STAM STAM1;Signal transducing adapter molecule 1 (STAM-1)
Observed Band	59kD
Calculated Molecular Weight	59 kDa
Cell Pathway	Cytoplasm . Early endosome membrane ; Peripheral membrane protein ; Cytoplasmic side .
Tissue Specificity	Ubiquitously expressed.
Function	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 c-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.,PTM:Phosphorylated on Tyr-198. Phosphorylation occurs in response to IL-2, IL-3, IL-4, IL-7, GM-CSF, EGF and PDGF.,similarity:Belongs to the STAM family.,similarity:Contains 1 ITAM domain.,similarity:Contains 1 SH3 domain.,similarity:Contains 1 UIM (ubiquitin-interacting motif) repeat.,similarity:Contains 1 VHS domain.,subunit:Com

Background

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],

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images