



STAM2 Monoclonal Antibody

Catalog No	YP-mAb-04224
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	STAM2
Immunogen	The antiserum was produced against synthesized peptide derived from human STAM2. AA range:161-210
Specificity	STAM2 Monoclonal Antibody detects endogenous levels of STAM2 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	STAM2A;STAM-2;STAM 2;Hrs-binding protein;Hrs binding protein;STAM2; Signal transducing adapter molecule 2;HBP
Observed Band	58kD
Calculated Molecular Weight	58kD
Cell Pathway	Cytoplasm . Early endosome membrane ; Peripheral membrane protein ; Cytoplasmic side .
Tissue Specificity	Ubiquitously expressed.
Function	domain: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., domain:The SH3 domain mediates the interaction with USP8.,domain:The VHS and UIM domains mediate the interaction with ubiquitinated proteins., 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

Background

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. [provided by RefSeq, Jul 2008],

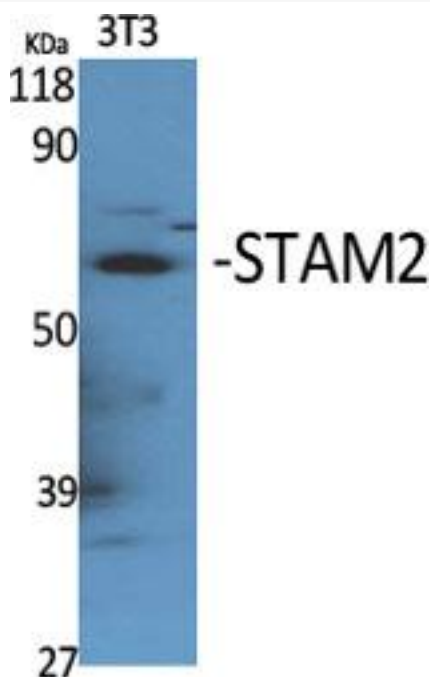
matters needing attention

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



Western Blot analysis of various cells using STAM2 Monoclonal Antibody