

## STAM2 Polyclonal Antibody

<b>Catalog No :</b>	YT4435
<b>Reactivity :</b>	Human;Mouse
<b>Applications :</b>	WB;IHC;IF;ELISA
<b>Target :</b>	STAM2
<b>Fields :</b>	>>Endocytosis;>>JAK-STAT signaling pathway
<b>Gene Name :</b>	STAM2
<b>Protein Name :</b>	Signal transducing adapter molecule 2
<b>Human Gene Id :</b>	10254
<b>Human Swiss Prot No :</b>	O75886
<b>Mouse Gene Id :</b>	56324
<b>Mouse Swiss Prot No :</b>	O88811
<b>Immunogen :</b>	The antiserum was produced against synthesized peptide derived from human STAM2. AA range:161-210
<b>Specificity :</b>	STAM2 Polyclonal Antibody detects endogenous levels of STAM2 protein.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	WB 1:500 - 1:2000. IHC 1:100 - 1:300. IF 1:200 - 1:1000. ELISA: 1:40000. Not yet tested in other applications.
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Concentration :</b>	1 mg/ml

**Storage Stability :** -15°C to -25°C/1 year(Do not lower than -25°C)

**Observed Band :** 58kD

**Cell Pathway :** Endocytosis;Jak\_STAT;

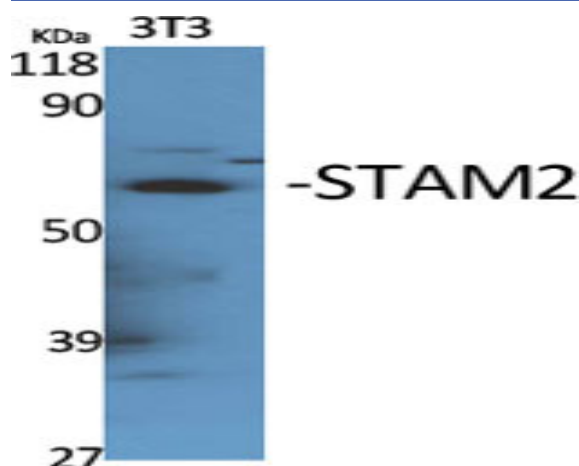
**Background :** The protein encoded by this gene is closely related to STAM, an adaptor protein involved in the downstream signaling of cytokine receptors, both of which contain a SH3 domain and the immunoreceptor tyrosine-based activation motif (ITAM). Similar to STAM, this protein acts downstream 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],

**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

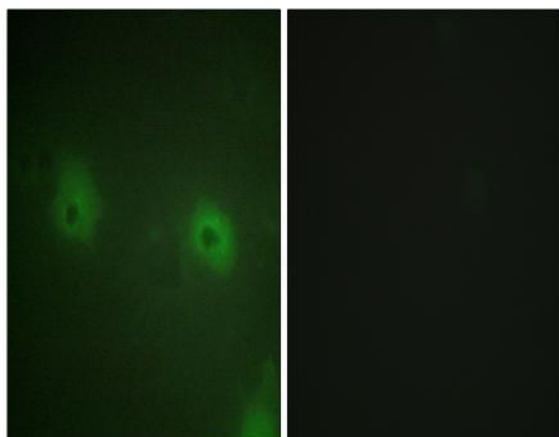
**Subcellular Location :** Cytoplasm . Early endosome membrane ; Peripheral membrane protein ; Cytoplasmic side .

**Expression :** Ubiquitously expressed.

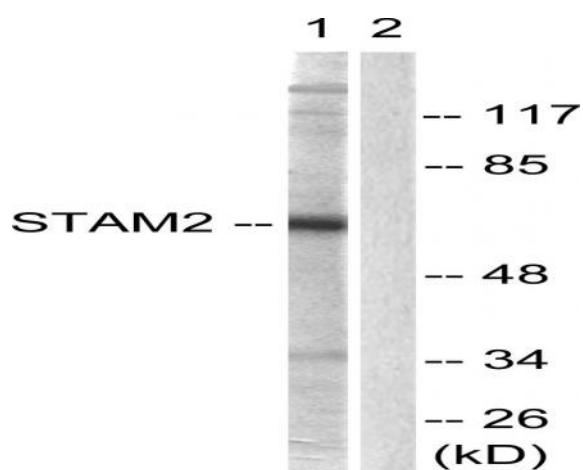
## Products Images



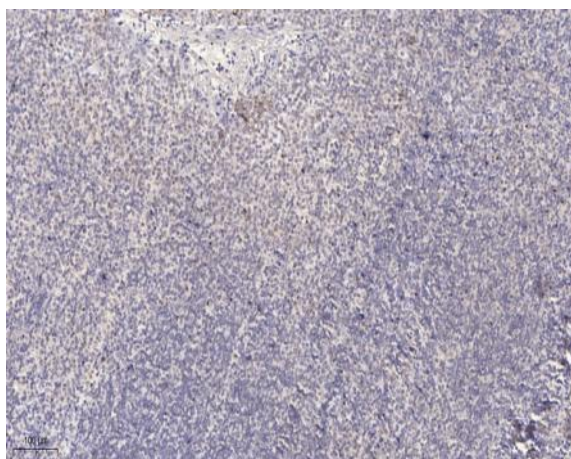
Western Blot analysis of various cells using STAM2 Polyclonal Antibody



Immunofluorescence analysis of HUVEC cells, using STAM2 Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from NIH/3T3 cells, treated with EGF 200ng/ml 30', using STAM2 Antibody. The lane on the right is blocked with the synthesized peptide.



Immunohistochemical analysis of paraffin-embedded human tonsil. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 30min).