



## Rabbit Anti-STAM antibody

SL7878R

<b>Product Name:</b>	STAM
<b>Chinese Name:</b>	Signal transduction衔接蛋白1抗体
<b>Alias:</b>	Signal transducing adapter molecule 1; Signal transducing adapter molecule 2; Signal transducing adaptor molecule (SH3 domain and ITAM motif) 1; Signal transducing adaptor molecule; STAM 1; STAM-2; STAM1; Stam2; STAM2_HUMAN; DKFZp686J2352; Hrs-binding protein; HSE1 homolog; OTTHUMP00000019237.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Dog,Pig,Cow,Horse,Rabbit,Sheep,
<b>Applications:</b>	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	59kDa
<b>Cellular localization:</b>	cytoplasmicThe cell membrane
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human STAM:101-200/540
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	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.

**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 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 (By similarity).

**Subunit:**

Component of the ESCRT-0 complex composed of STAM or STAM2 and HGS. Probably part of a complex at least composed of HSG, STAM and EPS15. Interacts with STAMBIP/AMSH. Interacts with PDGFRB.

**Subcellular Location:**

Cytoplasm. Early endosome membrane; Peripheral membrane protein; Cytoplasmic side.

**Tissue Specificity:**

Ubiquitously expressed.

**Post-translational modifications:**

Phosphorylated in response to IL-2, GM-CSF, EGF and PDGF.

**Similarity:**

Belongs to the STAM family.  
Contains 1 ITAM domain.  
Contains 1 SH3 domain.  
Contains 1 UIM (ubiquitin-interacting motif) repeat.  
Contains 1 VHS domain.

**SWISS:**

O75886

**Gene ID:**

10254

**Database links:**

[Entrez Gene: 10254](#)Human

[Entrez Gene: 8027](#)Human

[Entrez Gene: 20844](#)Mouse

[Entrez Gene: 56324](#)Mouse

[Entrez Gene: 311030](#)Rat

[Oimim: 601899](#)Human

[SwissProt: O75886](#)Human

[SwissProt: Q92783](#)Human

[SwissProt: O88811](#)Mouse

[SwissProt: P70297](#)Mouse

[SwissProt: Q5XHY7](#)Rat

[Unigene: 17200](#)Human

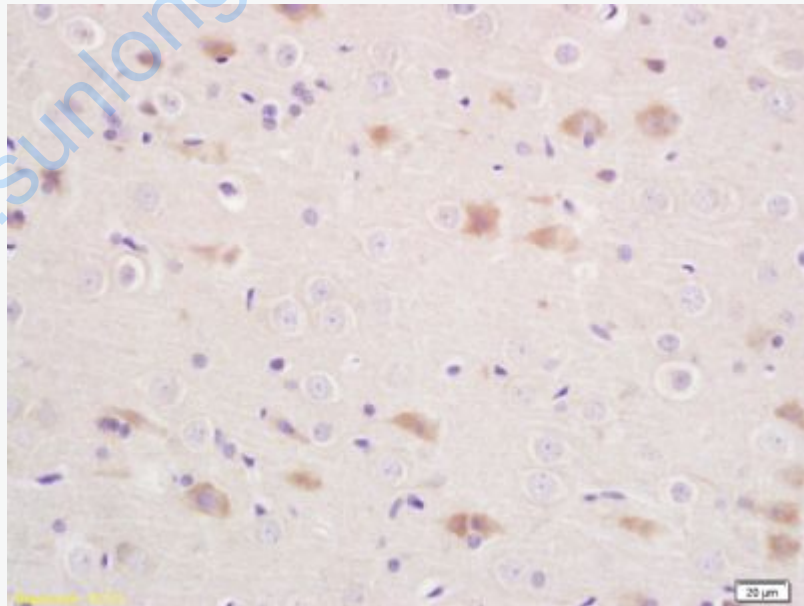
[Unigene: 263639](#)Mouse

[Unigene: 161793](#)Rat

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

**Picture:**



Tissue/cell: rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;  
Antigen retrieval: citrate buffer ( 0.01M, pH 6.0 ), Boiling bathing for 15min; Block  
endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer

(normal goat serum,C-0005) at 37°C for 20 min;

Incubation: Anti-STAM Polyclonal Antibody, Unconjugated(SL7878R) 1:200,  
overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and  
DAB(C-0010) staining

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