

## Rabbit Anti-STAM/Biotin Conjugated antibody

SL7878R-Bio

<b>Product Name</b>	Anti-STAM/Biotin
<b>Chinese Name</b>	生物素标记的 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>Research Area</b>	Cell biology Signal transduction Cyclin Cell differentiation
<b>Immunogen Species</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>React Species</b>	Rat(predicted:Human,Mouse,Dog,Pig,Cow,Horse,Rabbit,Sheep) IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
<b>Applications</b>	not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight</b>	59kDa
<b>Form</b>	Lyophilized or Liquid
<b>Concentration</b>	1mg/ml
<b>immunogen</b>	KLH conjugated synthetic peptide derived from human STAM
<b>Lsotype</b>	IgG
<b>Purification</b>	affinity purified by Protein A
<b>Storage Buffer</b>	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol. 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 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>Storage</b>	
<b>Product Detail</b>	<b>background:</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-CSF 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 STAMBP/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.

**Database links:**

[Entrez Gene: 10254](#) Human

[Entrez Gene: 8027](#) Human



[Entrez Gene: 20844](#) Mouse

[Entrez Gene: 56324](#) Mouse

[Entrez Gene: 311030](#) Rat

[Omim: 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.