

Rabbit Anti-STAM/AP Conjugated antibody

SL7878R-AP

Product Name	Anti-STAM/AP
Chinese Name	碱性磷酸酶（AP）标记的 Signal transduction 衔接蛋白 1 抗体
Alias	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.
Research Area	Cell biology Signal transduction Cyclin Cell differentiation
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	Rat(predicted:Human,Mouse,Dog,Pig,Cow,Horse,Rabbit,Sheep) IHC-P=1:100-500,IHC-F=1:100-500
Applications	not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight	59kDa
Form	Lyophilized or Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human STAM
Lsotype	IgG
Purification	affinity purified by Protein A
Storage Buffer	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.
Storage	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.
Product Detail	background: 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.