

# STAM Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP2180b

## Product Information

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<b>Application</b>	WB, IHC-P, E
<b>Primary Accession</b>	<a href="#">Q92783</a>
<b>Other Accession</b>	<a href="#">P70297</a>
<b>Reactivity</b>	Human
<b>Predicted</b>	Mouse
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	Rabbit IgG
<b>Clone Names</b>	RB04604
<b>Calculated MW</b>	59180
<b>Antigen Region</b>	326-356

## Additional Information

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<b>Gene ID</b>	8027
<b>Other Names</b>	Signal transducing adapter molecule 1, STAM-1, STAM, STAM1
<b>Target/Specificity</b>	This STAM antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 326-356 amino acids from the C-terminal region of human STAM.
<b>Dilution</b>	WB~~1:1000 IHC-P~~1:100~500 E~~Use at an assay dependent concentration.
<b>Format</b>	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
<b>Storage</b>	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
<b>Precautions</b>	STAM Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	STAM
<b>Synonyms</b>	STAM1
<b>Function</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 a sorting machinery that recognizes ubiquitinated receptors and transfers them to further sequential lysosomal sorting/trafficking processes.

#### Cellular Location

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

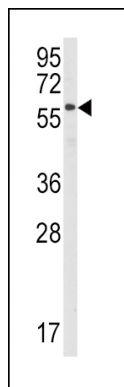
#### Tissue Location

Ubiquitously expressed.

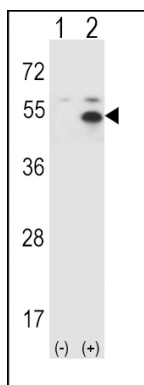
## Background

Stimulation of cells with cytokines initiates a signal transduction cascade involving cytokine receptors, Janus kinases (JAKs) and signal transducers and activators of transcription (STATs). STAM for 'signal-transducing adaptor molecule, induced after stimulation of cells with cytokine IL2, is a component of signal transduction downstream of JAK3.1 Human STAM cDNA cloned from a T-cell cDNA library encodes a 540-amino acid protein precipitated by anti-phosphotyrosine. Northern blot analysis indicates that STAM is expressed as a 2.9-kb message in a wide variety of tissue and cell types. The STAM sequence contains a Src-homology 3 (SH3) domain and an immunoreceptor tyrosine-based activation motif (ITAM). It has been suggested that STAM acts as an adaptor molecule in signal transduction pathways from cytokine receptors.

## Images

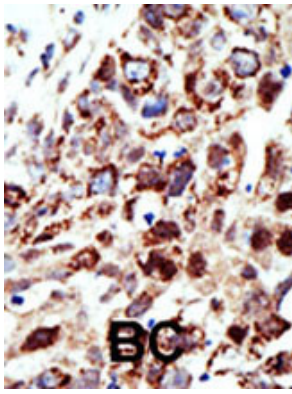


Western blot analysis of anti-STAM Antibody (C-term) (Cat.#AP2180b) in HeLa cell line lysates (35ug/lane). STAM (arrow) was detected using the purified Pab.



Western blot analysis of STAM (arrow) using rabbit polyclonal STAM Antibody (P341) (Cat.#AP2180b). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the STAM gene.

Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma;



HC = hepatocarcinoma.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.