

STAM2 Antibody (Center)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP14042c**Specification**

STAM2 Antibody (Center) - Product Information

Application	WB,E
Primary Accession	O75886
Other Accession	NP_005834.4
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	58164
Antigen Region	143-172

STAM2 Antibody (Center) - Additional Information**Gene ID** 10254**Other Names**

Signal transducing adapter molecule 2, STAM-2, Hrs-binding protein, STAM2, HBP

Target/Specificity

This STAM2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 143-172 amino acids from the Central region of human STAM2.

Dilution

WB~~1:1000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

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.

Precautions

STAM2 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

STAM2 Antibody (Center) - Protein Information**Name** STAM2**Synonyms** HBP

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 a sorting machinery that recognizes ubiquitinated receptors and transfers them to further sequential lysosomal sorting/trafficking processes (By similarity).

Cellular Location

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

Tissue Location

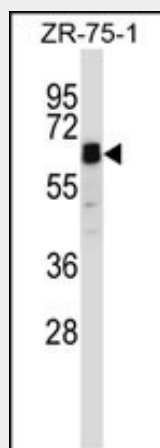
Ubiquitously expressed.

STAM2 Antibody (Center) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

STAM2 Antibody (Center) - Images



STAM2 Antibody (Center) (Cat. #AP14042c) western blot analysis in ZR-75-1 cell line lysates (35ug/lane). This demonstrates the STAM2 antibody detected the STAM2 protein (arrow).

STAM2 Antibody (Center) - 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.

STAM2 Antibody (Center) - References

Stuible, M., et al. J. Biol. Chem. 285(31):23899-23907(2010)
Rismanchi, N., et al. Traffic 10(2):201-217(2009)
Venkatesan, K., et al. Nat. Methods 6(1):83-90(2009)
Kong, C., et al. J. Biol. Chem. 282(20):15294-15301(2007)
Olsen, J.V., et al. Cell 127(3):635-648(2006)