

STAM2 Antibody (Center) Blocking peptide
Synthetic peptide
Catalog # BP14042c**Specification**

STAM2 Antibody (Center) Blocking peptide - Product InformationPrimary Accession [O75886](#)**STAM2 Antibody (Center) Blocking peptide - Additional Information****Gene ID** 10254**Other Names**

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

Target/Specificity

The synthetic peptide sequence used to generate the antibody AP14042c was selected from the Center region of STAM2. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

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

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

- [Blocking Peptides](#)

STAM2 Antibody (Center) Blocking peptide - Images

STAM2 Antibody (Center) Blocking peptide - 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) Blocking peptide - 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)