


Product datasheet

Anti-STAM1 antibody ab117813

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Overview

Product name	Anti-STAM1 antibody
Description	Rabbit polyclonal to STAM1
Host species	Rabbit
Tested applications	Suitable for: WB, IP
Species reactivity	Reacts with: Human Predicted to work with: Rabbit, Cow, Dog, Pig, Chimpanzee, Ferret, Rhesus monkey, Gorilla, Orangutan, Elephant 
Immunogen	Synthetic peptide, corresponding to a region within amino acids 300-350 of Human STAM1 according to NP_003464.1.
Positive control	Whole cell lysate from HeLa, 293T and Jurkat cells.
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	pH: 6.8 Preservative: 0.09% Sodium azide Constituents: 99% Tris buffered saline, 0.1% BSA
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab117813 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/2000 - 1/10000. Predicted molecular weight: 58 kDa.
IP		Use at 2-10 µg/mg of lysate.

Target

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 sorting machinery that recognizes ubiquitinated receptors and transfers them to further sequential lysosomal sorting/trafficking processes.

Tissue specificity

Ubiquitously expressed.

Sequence similarities

Belongs to the STAM family.
Contains 1 ITAM domain.
Contains 1 SH3 domain.
Contains 1 UIM (ubiquitin-interacting motif) repeat.
Contains 1 VHS domain.

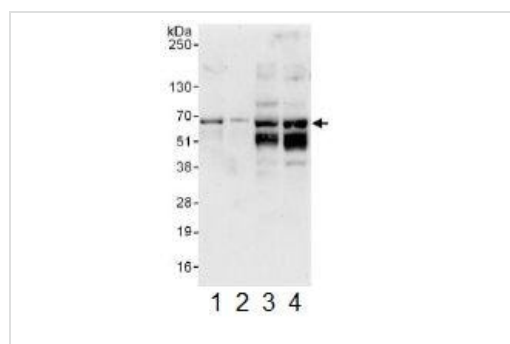
Post-translational modifications

Phosphorylated on Tyr-198. Phosphorylated in response to IL2, IL3, IL4, IL7, CSF2/GM-CSF, EGF and PDGFB. Phosphorylated by activated PDGFRB.

Cellular localization

Cytoplasm. Early endosome membrane.

Images



Western blot - Anti-STAM1 antibody (ab117813)

All lanes : Anti-STAM1 antibody (ab117813) at 0.04 µg/ml

Lane 1 : Whole cell lysate from HeLa cells at 50 µg

Lane 2 : Whole cell lysate from HeLa cells at 15 µg

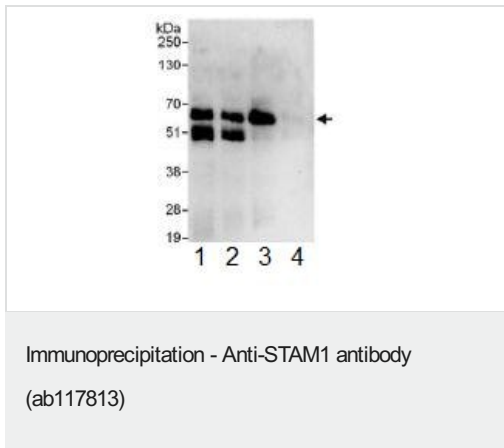
Lane 3 : Whole cell lysate from 293T cells at 50 µg

Lane 4 : Whole cell lysate from Jurkat cells at 50 µg

Developed using the ECL technique.

Predicted band size: 58 kDa

Exposure time: 30 seconds



ab117813 at 1 µg/ml staining STAM1 by WB, following immunoprecipitation of whole cell lysate from HeLa cells.

Lane 1; IP using ab117813 at 6 µg/mg lysate.

Lane 2; IP using an antibody to a downstream epitope.

Lane 3; IP using an antibody to an alternative downstream epitope.

Lane 4; IP using control IgG.

1 mg of lysate was used for IP and 20% of IP was loaded. Detection utilised ECL with a 10 second exposure.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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