

STAM2 Rabbit pAb

CatalogNo: YT4435

Orthogonal Validated 

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse

Applications

- WB, IHC, IF, ELISA

MW

- 58kD (Observed)

Isotype

- IgG

Recommended Dilution Ratios

WB 1:500-1:2000**IHC 1:100-1:300****IF 1:200-1:1000****ELISA 1:40000****Not yet tested in other applications.**

Storage

Storage* -15°C to -25°C/1 year (Do not lower than -25°C)**Formulation** Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Basic Information

Clonality Polyclonal

Immunogen Information

Immunogen The antiserum was produced against synthesized peptide derived from human STAM2. AA range: 161-210**Specificity** STAM2 Polyclonal Antibody detects endogenous levels of STAM2 protein.

| Target Information

Gene name STAM2

Protein Name Signal transducing adapter molecule 2

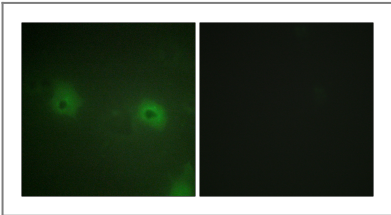
Organism	Gene ID	UniProt ID
Human	10254 ;	O75886 ;
Mouse	56324 ;	O88811 ;

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

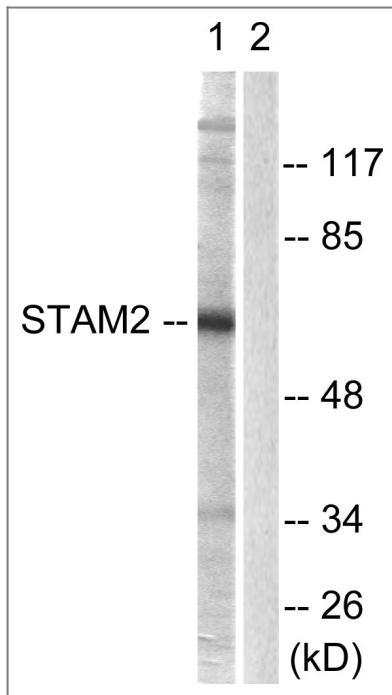
Tissue specificity Ubiquitously expressed.

Function Domain:Contains one Pro-Xaa-Val-Xaa-Leu (PxVxL) motif, which is required for interaction with chromoshadow domains. This motif requires additional residues -7, -6, +4 and +5 of the central Val which contact the chromoshadow domain.,Domain:The SH3 domain mediates the interaction with USP8.,Domain:The VHS and UIM domains mediate the interaction with ubiquitinated proteins.,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 c-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.,PTM:Phosphorylated in response to IL-2, GM-CSF, EGF and PDGF.,similarity:Belongs to the STAM family.,similarity:Contains 1 ITAM domain.,similarity:Contains 1 SH3 domain.,similarity:Contains 1 UIM (ubiquitin-interacting motif) repeat.,similarity:Contains 1 VHS domain.,subunit:Component of the ESCRT-0 complex composed of STAM or STAM2 and HGS. Part of a complex at least composed of HSG, STAM2 and EPS15. Interacts with JAK2 and JAK3. Interacts with ubiquitinated proteins and the deubiquitinating enzyme USP8/UBPY (By similarity). Interacts (via the via the PxVxL motif) with CBX5; the interaction is direct. Interacts with VPS37C. Interacts with ubiquitin; the interaction is direct.,tissue specificity:Ubiquitously expressed.,

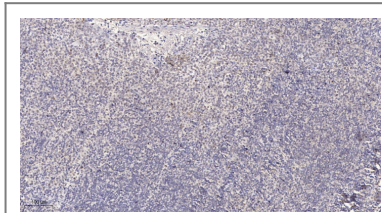
| Validation Data



Immunofluorescence analysis of HUVEC cells, using STAM2 Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from NIH/3T3 cells, treated with EGF 200ng/ml 30', using STAM2 Antibody. The lane on the right is blocked with the synthesized peptide.



Immunohistochemical analysis of paraffin-embedded human tonsil. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 30min).

Contact information

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Please scan the QR code to access additional product information:
STAM2 Rabbit pAb

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