

Anti-STAM2 Antibody

Rabbit polyclonal antibody to STAM2 Catalog # AP60637

Product Information

Application WB, IF/IC, IHC **Primary Accession** O75886

Other Accession 088811

Reactivity Human, Mouse, Rat

Host Rabbit
Clonality Polyclonal
Calculated MW 58164

Additional Information

Gene ID 10254

Other Names HBP; Signal transducing adapter molecule 2; STAM-2; Hrs-binding protein

Target/Specificity KLH-conjugated synthetic peptide encompassing a sequence within the center

region of human STAM2. The exact sequence is proprietary.

Dilution WB~~WB (1/500 - 1/1000), IHC (1/100 - 1/200), IF/IC (1/100 - 1/500)

IF/IC~~N/A IHC~~WB (1/500 - 1/1000), IHC (1/100 - 1/200), IF/IC (1/100 -

1/500)

Format Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30%

glycerol, and 0.09% (W/V) sodium azide.

Storage Store at -20 °C.Stable for 12 months from date of receipt

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).

Cytoplasm. Early endosome membrane; Peripheral membrane protein;

Cellular Location

Cytoplasmic side

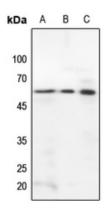
Tissue Location

Ubiquitously expressed.

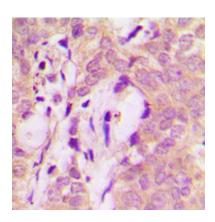
Background

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human STAM2. The exact sequence is proprietary.

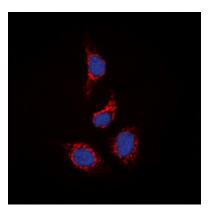
Images



Western blot analysis of STAM2 expression in HEK293T (A), mouse kidnye (B), rat kidney (C) whole cell lysates.



Immunohistochemical analysis of STAM2 staining in human breast cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescent analysis of STAM2 staining in HepG2 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a hidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).

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