

Anti-STAM2 (Phospho-Y192) Antibody

Catalog # AP51654

Product Information

Application	WB, IF/IC
Primary Accession	O75886
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 phosphopeptide corresponding to residues surrounding Y192 of human STAM2 protein. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) IF/IC~~N/A
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

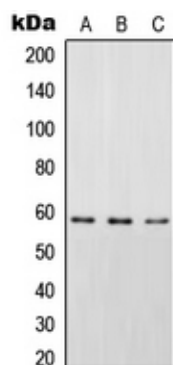
Protein Information

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).
Cellular Location	Cytoplasm. Early endosome membrane; Peripheral membrane protein; Cytoplasmic side
Tissue Location	Ubiquitously expressed.

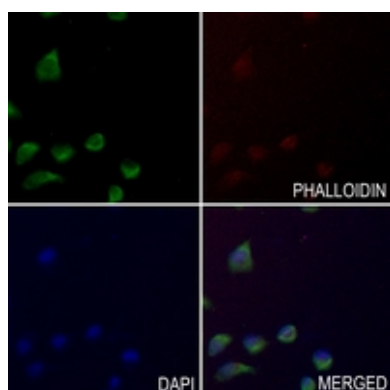
References

Endo K.,et al.FEBS Lett. 477:55-61(2000).
Wiemann S.,et al.Genome Res. 11:422-435(2001).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Hillier L.W.,et al.Nature 434:724-731(2005).
Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.

Images



Western blot analysis of STAM2 (Phospho-Y192) expression in HEK293T EGF-treated (A), SP2/0 EGF-treated (B), rat spleen (C) whole cell lysates. (Predicted band size: 58 kD; Observed band size: 58 kD)



Immunofluorescent analysis of STAM2 (Phospho-Y192) staining in A2780 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 humidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.