

产品名称: STAM2 Rabbit Polyclonal Antibody
产品货号: APRab18334



产品概述 (Summary)

产品名称 (Production Name)	STAM2 Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,IHC,ICC/IF,ELISA
种属反应性 (Reactivity)	Human,Mouse

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Polyclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	STAM2
别名 (Alternative Names)	STAM2; HBP; Signal transducing adapter molecule 2; STAM-2; Hrs-binding protein
基因 ID (Gene ID)	10254.0
蛋白 ID (SwissProt ID)	O75886.The antiserum was produced against synthesized peptide derived from human STAM2. AA range:161-210

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:200-1:1000,ELISA 1:20000-1:40000
蛋白分子量 (Molecular Weight)	58kDa

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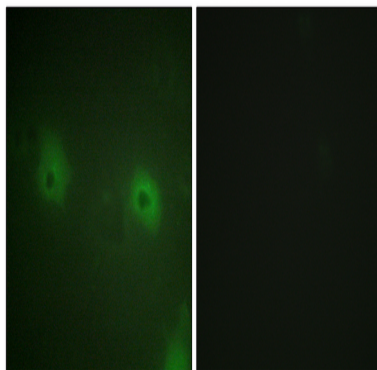
研究背景 (Background)

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. [provided by RefSeq, Jul 2008],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.,

研究领域 (Research Area)

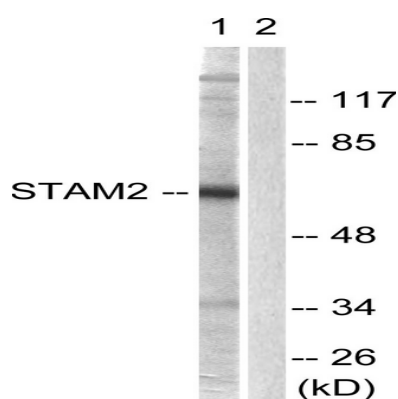
Endocytosis;Jak_STAT;

图片 (Image Data)

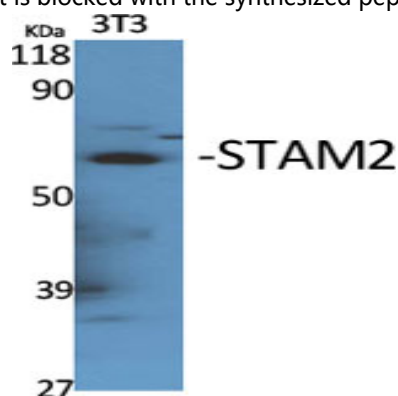


Immunofluorescence analysis of HUVEC cells, using STAM2 Antibody. The picture on the right is blocked with the synthesized peptide.

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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.



Western Blot analysis of various cells using STAM2 Polyclonal Antibody

注意事项 (Note)

For research use only .