

产品名称: Eps15 (phospho Tyr849) Rabbit Polyclonal Antibody
产品货号: APRab04623



产品概述 (Summary)

产品名称 (Production Name)	Eps15 (phospho Tyr849) Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,ELISA
种属反应性 (Reactivity)	Human,Mouse,Rat

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Phosphorylated
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)	EPS15
别名 (Alternative Names)	EPS15; AF1P; Epidermal growth factor receptor substrate 15; Protein Eps15; Protein AF-1p
基因 ID (Gene ID)	2060.0
蛋白 ID (SwissProt ID)	P42566.Synthesized phospho-peptide around the phosphorylation site of human Eps15 (phospho Tyr849)

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,ELISA 1:5000-1:20000
蛋白分子量 (Molecular Weight)	100kDa

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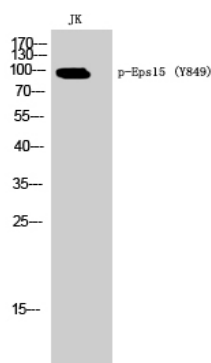
研究背景 (Background)

This gene encodes a protein that is part of the EGFR pathway. The protein is present at clathrin-coated pits and is involved in receptor-mediated endocytosis of EGF. Notably, this gene is rearranged with the HRX/ALL/MLL gene in acute myelogenous leukemias. Alternative splicing results in multiple transcript variants encoding distinct isoforms. [provided by RefSeq, May 2009], disease: A chromosomal aberration involving EPS15 is found in acute leukemias. Translocation t(1;11) (p32;q23) with MLL/HRX. The result is a rogue activator protein., domain: The EH domain interacts with Asn-Pro-Phe (NPF) motifs of target proteins., function: Involved in cell growth regulation. May be involved in the regulation of mitogenic signals and control of cell proliferation. Involved in the internalization of ligand-inducible receptors of the receptor tyrosine kinase (RTK) type, in particular EGFR. Plays a role in the assembly of clathrin-coated pits., PTM: Phosphorylation on Tyr-849 is involved in the internalization of EGFR. Not required for membrane translocation after EGF treatment or for targeting to coated pits, but essential for a subsequent step in EGFR endocytosis (By similarity). Phosphorylated on serine upon DNA damage, probably by ATM or ATR., similarity: Contains 2 EF-hand domains., similarity: Contains 2 UIM (ubiquitin-interacting motif) repeats., similarity: Contains 3 EH domains., subcellular location: Colocalizes with HGS on bilayered clathrin coats on endosomes., subcellular location: Recruited to the plasma membrane upon EGFR activation and localizes to coated pits., subunit: Interacts with HGS; the interaction bridges the interaction of STAM or STAM2 with EPS15. Isoform 2 interacts with HGS and AP2A2. Part of a complex at least composed of EPS15, HGS, and either STAM1 or STAM2. Binds AP2A2 and AP2B1. Binds STON2 and EPN1. Interacts (via its SH3-binding sites) with CRK. Interacts with SH3BP4/TTP., tissue specificity: Ubiquitously expressed.,

研究领域 (Research Area)

Endocytosis;

图片 (Image Data)



Western Blot analysis of JK cells using Phospho-Eps15 (Y849) Polyclonal Antibody

注意事项 (Note)

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