

产品名称: Hrs (phospho Tyr334) Rabbit Polyclonal Antibody
产品货号: APRab04795



产品概述 (Summary)

产品名称 (Production Name)	Hrs (phospho Tyr334) 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,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)	HGS
别名 (Alternative Names)	HGS; HRS; Hepatocyte growth factor-regulated tyrosine kinase substrate; Hrs; Protein pp110
基因 ID (Gene ID)	9146.0
蛋白 ID (SwissProt ID)	O14964.The antiserum was produced against synthesized peptide derived from human HRS around the phosphorylation site of Tyr334. AA range:301-350

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 1:5000-1:20000
蛋白分子量 (Molecular Weight)	86kDa

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研究背景 (Background)

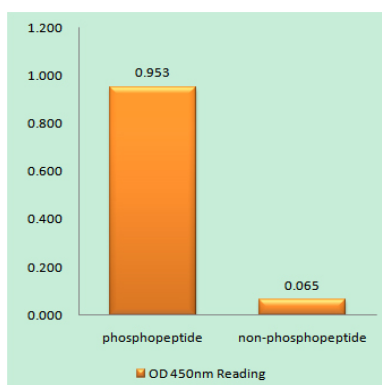
The protein encoded by this gene regulates endosomal sorting and plays a critical role in the recycling and degradation of membrane receptors. The encoded protein sorts monoubiquitinated membrane proteins into the multivesicular body, targeting these proteins for lysosome-dependent degradation. [provided by RefSeq, Dec 2010], domain: Has a double-sided UIM that can bind 2 ubiquitin molecules, one on each side of the helix., function: Involved in intracellular signal transduction mediated by cytokines and growth factors. When associated with STAM, it suppresses DNA signaling upon stimulation by IL-2 and GM-CSF. Could be a direct effector of PI3-kinase in vesicular pathway via early endosomes and may regulate trafficking to early and late endosomes by recruiting clathrin. May concentrate ubiquitinated receptors within clathrin-coated regions. Involved in down-regulation of receptor tyrosine kinase via multivesicular body (MVBs) when complexed with STAM (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. May contribute to the efficient recruitment of SMADs to the activin receptor complex., PTM: Phosphorylated on Tyr-334. A minor site of phosphorylation on Tyr-329 is detected (By similarity). Phosphorylation occurs in response to EGF, IL-2, GM-CSF and HGF., similarity: Contains 1 FYVE-type zinc finger., 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 (or probably STAM) and EPS15. Interacts with STAM. Interacts with STAM2. Interacts with EPS15; the interaction is direct, calcium-dependent and inhibited by SNAP25. Interacts with NF2; the interaction is direct. Interacts with ubiquitin; the interaction is direct. Interacts with VPS37C. Interacts with SMAD1, SMAD2 and SMAD3. Interacts with TSG101; the interaction mediates the association with the ESCRT-I complex. Interacts with SNAP25; the interaction is direct and decreases with addition of increasing concentrations of free calcium. Interacts with SNX1; the interaction is direct. Component of a 550 kDa membrane complex at least composed of HGS and SNX1 but excluding EGFR., tissue specificity: Ubiquitous expression in adult and fetal tissues with higher expression in testis and peripheral blood leukocytes.,

研究领域 (Research Area)

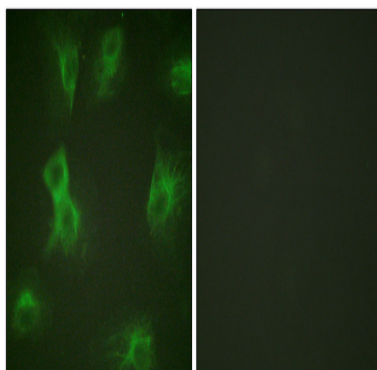
Endocytosis;

图片 (Image Data)

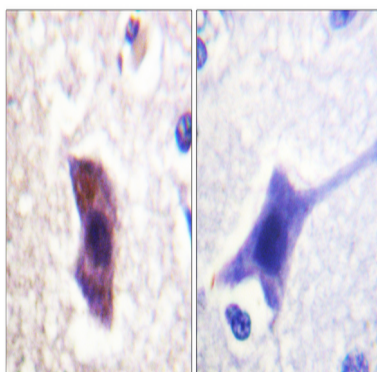
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Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using HRS (Phospho-Tyr334) Antibody

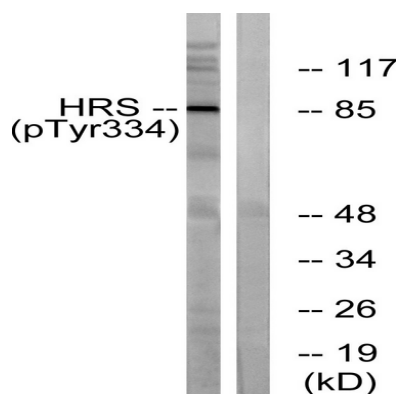


Immunofluorescence analysis of HeLa cells treated with Forskolin 40nM 15', using HRS (Phospho-Tyr334) Antibody. The picture on the right is blocked with the phospho peptide.



Immunohistochemistry analysis of paraffin-embedded human brain, using HRS (Phospho-Tyr334) Antibody. The picture on the right is blocked with the phospho peptide.

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Western blot analysis of lysates from HepG2 cells treated with PMA 125ng/ml 30', using HRS (Phospho-Tyr334) Antibody. The lane on the right is blocked with the phospho peptide.

注意事项 (Note)

For research use only .