Best Tools for immunology Research

Hrs (phospho Tyr334) Polyclonal Antibody

Catalog No :	YP0935
Reactivity :	Human;Mouse;Rat
Applications :	WB;IHC;IF;ELISA
Target :	Hrs
Fields :	>>Viral life cycle - HIV-1;>>Endocytosis;>>Phagosome
Gene Name :	HGS
Protein Name :	Hepatocyte growth factor-regulated tyrosine kinase substrate
Human Gene Id :	9146
Human Swiss Prot No :	O14964
Mouse Gene Id :	15239
Mouse Swiss Prot No :	Q99LI8
Rat Gene Id :	56084
Rat Swiss Prot No :	Q9JJ50
Immunogen :	The antiserum was produced against synthesized peptide derived from human HRS around the phosphorylation site of Tyr334. AA range:301-350
Specificity :	Phospho-Hrs (Y334) Polyclonal Antibody detects endogenous levels of Hrs protein only when phosphorylated at Y334.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. IHC 1:100 - 1:300. IF 1:200 - 1:1000. ELISA: 1:10000. Not yet tested in other applications.

Purification : The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Concentration : 1 mg/ml

Storage Stability : -15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band : 86kD

Cell Pathway : Endocytosis;

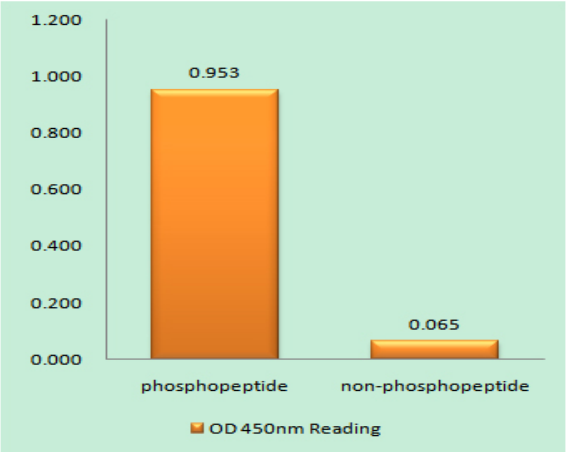
Background : The protein encoded by this gene regulates endosomal sorting and plays a critical role in the recycling and degradation of membrane receptors. The encoded protein sorts monoubiquitinated membrane proteins into the multivesicular body, targeting these proteins for lysosome-dependent degradation. [provided by RefSeq, Dec 2010],

Function : 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

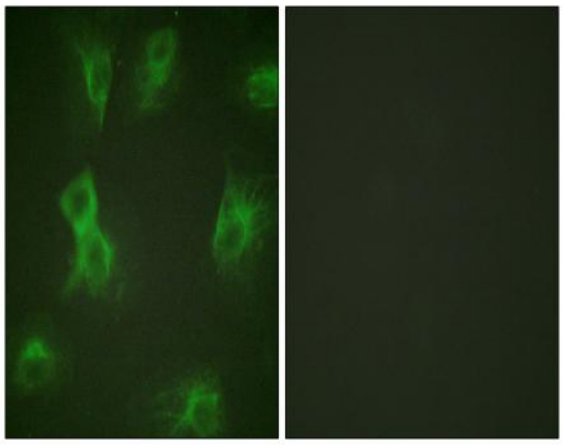
Subcellular Location : Cytoplasm . Early endosome membrane ; Peripheral membrane protein ; Cytoplasmic side . Endosome, multivesicular body membrane ; Peripheral membrane protein . Colocalizes with UBQLN1 in ubiquitin-rich cytoplasmic aggregates that are not endocytic compartments. .

Expression : Ubiquitous expression in adult and fetal tissues with higher expression in testis and peripheral blood leukocytes.

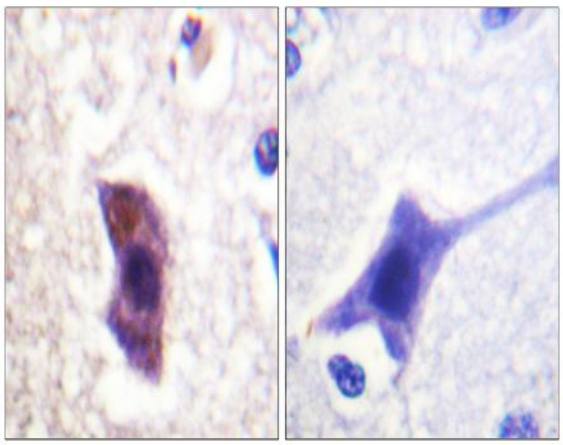
Products Images



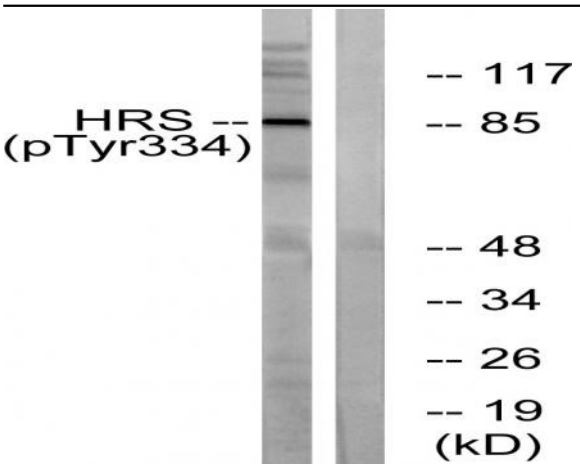
Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using HRS (Phospho-Tyr334) Antibody



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.



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.