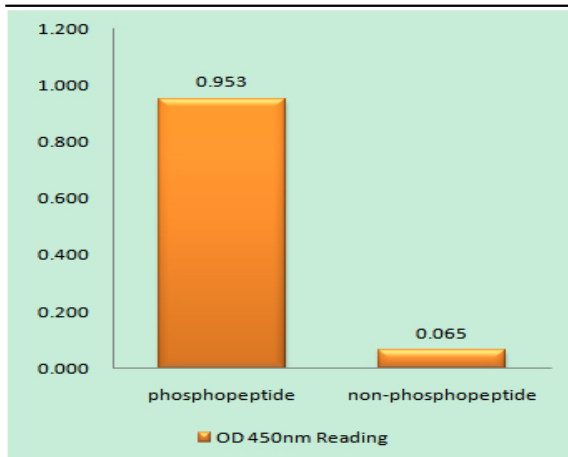


Hrs (phospho Tyr334) Polyclonal Antibody

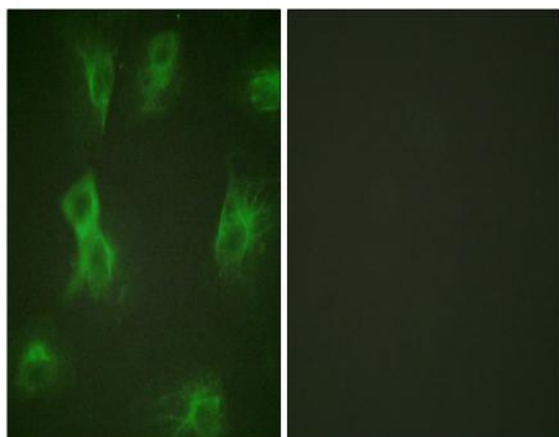
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|------------------------------|---|
| Catalog No : | YP0935 |
| Reactivity : | Human;Mouse;Rat |
| Applications : | WB;IHC;IF;ELISA |
| Target : | Hrs |
| Fields : | >>Viral life cycle - HIV-1;>>Endocytosis;>>Phagosome |
| Gene Name : | HGS |
| Protein 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. |

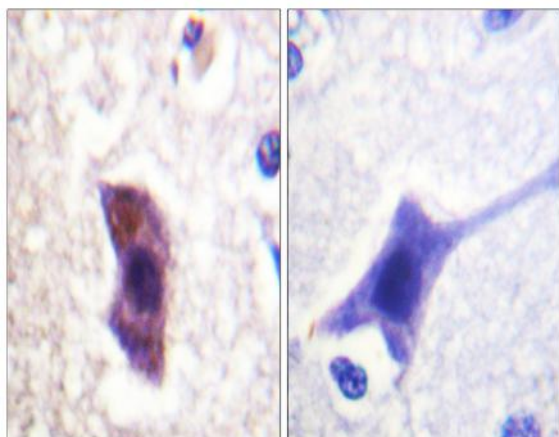
Products Images



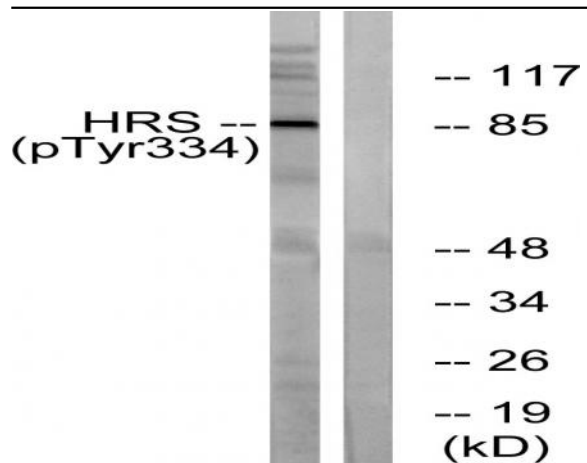
Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using HRS (Phospho-Tyr334) Antibody



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.