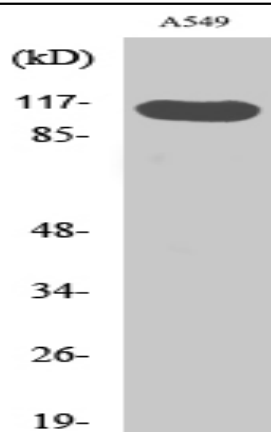


Hrs (phospho Tyr216) Polyclonal Antibody

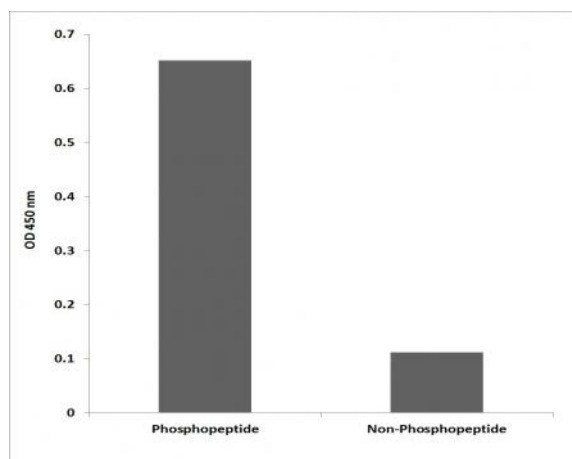
Catalog No :	YP0132
Reactivity :	Human;Mouse;Rat
Applications :	WB;ELISA
Target :	Hrs
Fields :	>>Viral life cycle - HIV-1;>>Endocytosis;>>Phagosome
Gene Name :	HGS
Protein Name :	Hepatocyte growth factor-regulated tyrosine kinase substrate
Human Gene Id :	9146
Human Swiss Prot No :	O14964
Mouse Gene Id :	15239
Mouse Swiss Prot No :	Q99LI8
Rat Gene Id :	56084
Rat Swiss Prot No :	Q9JJ50
Immunogen :	Synthesized phospho-peptide around the phosphorylation site of human Hrs (phospho Tyr216)
Specificity :	Phospho-Hrs (Y216) Polyclonal Antibody detects endogenous levels of Hrs protein only when phosphorylated at Y216.
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. 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 :	115kD
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.

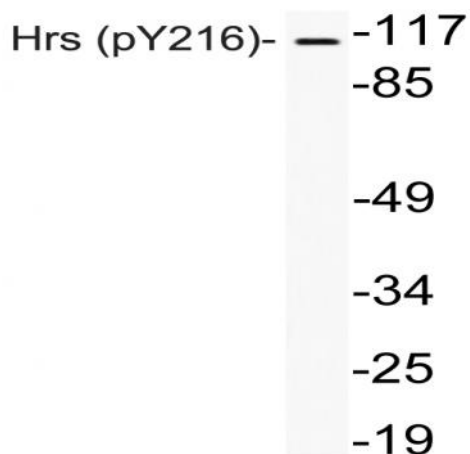
Products Images



Western Blot analysis of various cells using Phospho-Hrs (Y216) Polyclonal Antibody



Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using Hrs (Phospho-Tyr216) Antibody



Western blot analysis of lysates from A549 cells, using phospho-Hrs (Phospho-Tyr216) antibody.