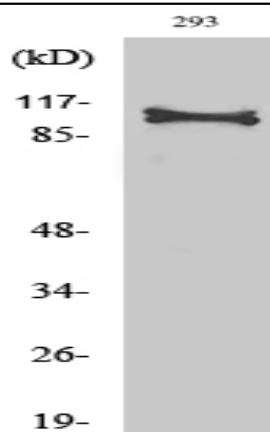


Hrs Polyclonal Antibody

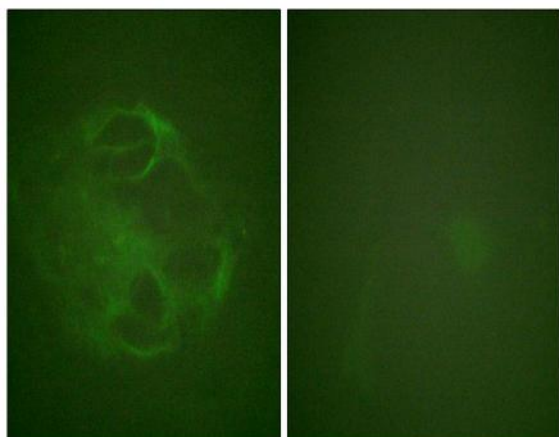
Catalog No :	YT2228
Reactivity :	Human;Mouse;Rat
Applications :	WB;IHC;IF;ELISA
Target :	Hrs
Fields :	>>Viral life cycle - HIV-1;>>Endocytosis;>>Phagosome
Gene Name :	HGS
Protein Name :	Hepatocyte growth factor-regulated tyrosine kinase substrate
Human Gene Id :	9146
Human Swiss Prot No :	O14964
Mouse 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. AA range:301-350
Specificity :	Hrs Polyclonal Antibody detects endogenous levels of Hrs protein.
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: 1:20000. 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 :	80kD
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.

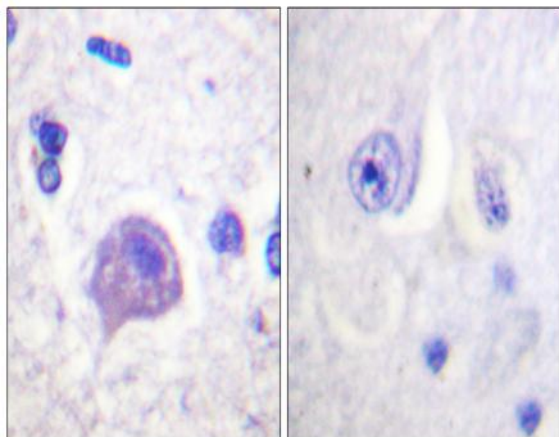
Products Images



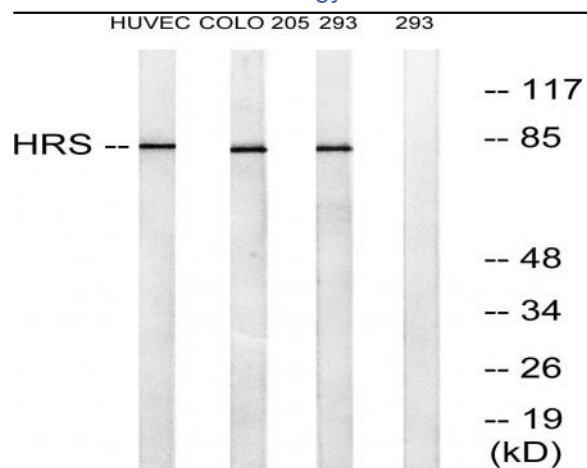
Western Blot analysis of various cells using Hrs Polyclonal Antibody diluted at 1:500



Immunofluorescence analysis of HeLa cells, using HRS Antibody. The picture on the right is blocked with the synthesized peptide.



Immunohistochemistry analysis of paraffin-embedded human brain tissue, using HRS Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from 293, COLO, and HUVEC cells, using HRS Antibody. The lane on the right is blocked with the synthesized peptide.