



# Hrs Polyclonal Antibody

<b>Catalog No</b>	YP-Ab-00704
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Mouse;Rat
<b>Applications</b>	WB;IHC;IF;ELISA
<b>Gene Name</b>	HGS
<b>Protein Name</b>	Hepatocyte growth factor-regulated tyrosine kinase substrate
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human HRS. AA range:301-350
<b>Specificity</b>	Hrs Polyclonal Antibody detects endogenous levels of Hrs protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source</b>	Polyclonal, Rabbit,IgG
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/20000. Not yet tested in other applications.
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	HGS; HRS; Hepatocyte growth factor-regulated tyrosine kinase substrate; Hrs; Protein pp110
<b>Observed Band</b>	80kD
<b>Cell Pathway</b>	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. .
<b>Tissue Specificity</b>	Ubiquitous expression in adult and fetal tissues with higher expression in testis and peripheral blood leukocytes.
<b>Function</b>	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

**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],

**matters needing attention**

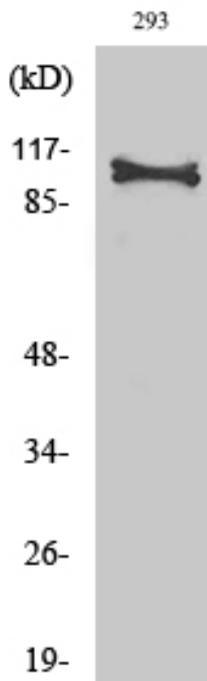
Avoid repeated freezing and thawing!

**Usage suggestions**

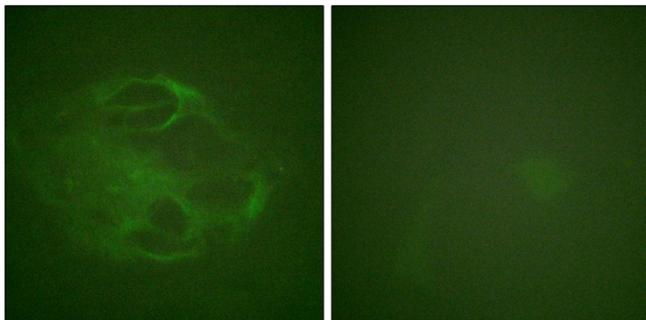
This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



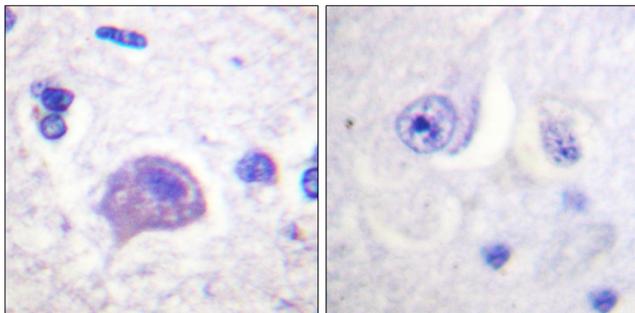
## Products Images



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.



HUVEC COLO 205 293 293

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.

