10320 Camino Santa Fe, Suite G
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Tel: 858.875.1900 Fax: 858.875.1999

Hrs Polyclonal Antibody
Catalog # AP70411

Specification

Hrs Polyclonal Antibody - Product Information

Application	**WB, IHC-P, IF**
Primary Accession	O14964
Reactivity	**Human, Mouse, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**

Hrs Polyclonal Antibody - Additional Information

Gene ID 9146

Other Names
HGS; HRS; Hepatocyte growth factor-regulated tyrosine kinase substrate; Hrs; Protein pp110

Dilution
WB~~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.
IHC-P~~N/A
IF~~1:50~200

Format
Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

Storage Conditions
-20℃

Hrs Polyclonal Antibody - Protein Information

Name HGS

Synonyms HRS

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 a 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 activin receptor complex. Involved in receptor recycling via its association with the CART complex, a multiprotein complex required for efficient transferrin receptor recycling but not for EGFR degradation.

Cellular Location
Cytoplasm {ECO:0000250|UniProtKB:Q9JJ50}. Early endosome membrane; Peripheral membrane protein; Cytoplasmic side Endosome, multivesicular body membrane {ECO:0000250|UniProtKB:Q9JJ50}; Peripheral membrane protein {ECO:0000250|UniProtKB:Q9JJ50} Note=Colocalizes with UBQLN1 in ubiquitin-rich cytoplasmic aggregates that are not endocytic compartments.

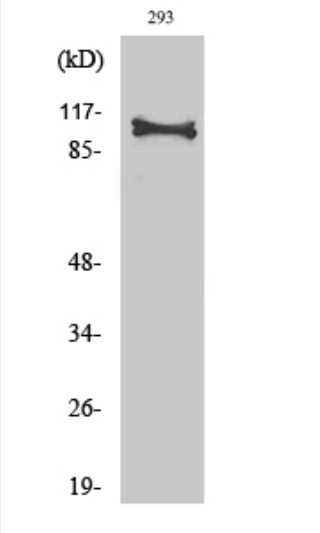
Tissue Location
Ubiquitous expression in adult and fetal tissues with higher expression in testis and peripheral blood leukocytes

Hrs Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Hrs Polyclonal Antibody - Images



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

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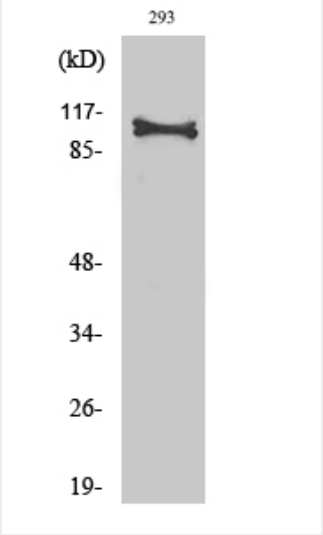

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Hrs Polyclonal Antibody - Background

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