10320 Camino Santa Fe, Suite G
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HRS / HGS Antibody (aa461-510)

Rabbit Polyclonal Antibody
Catalog # ALS17216

Specification

HRS / HGS Antibody (aa461-510) - Product Information

Application	**IHC-P, WB**
Primary Accession	O14964
Other Accession	9146
Reactivity	**Human, Mouse, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**86192**

HRS / HGS Antibody (aa461-510) - Additional Information

Gene ID 9146

Other Names
HGS, HRS, Vps27, Protein pp110, ZFYVE8

Target/Specificity
Human HRS / HGS

Reconstitution & Storage
PBS, pH 7.2, 0.05% sodium azide. Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze-thaw cycles.

Precautions
HRS / HGS Antibody (aa461-510) is for research use only and not for use in diagnostic or therapeutic procedures.

HRS / HGS Antibody (aa461-510) - 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

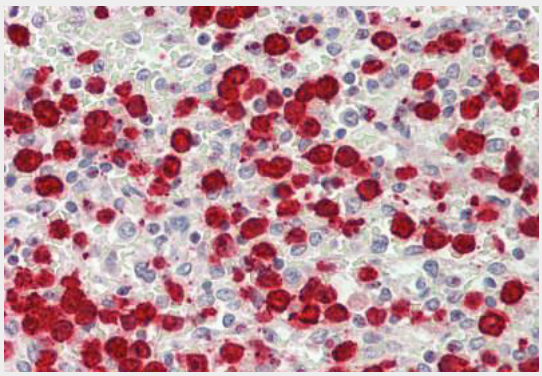
Volume
50 µl

HRS / HGS Antibody (aa461-510) - Protocols

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

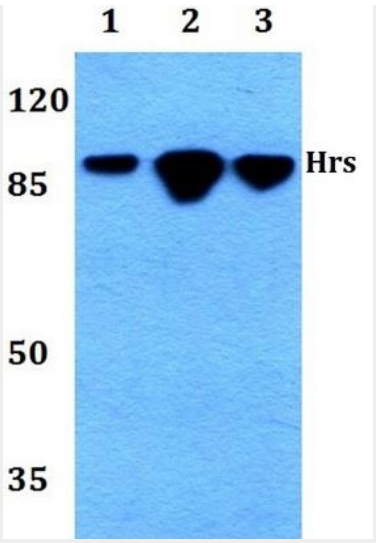
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

HRS / HGS Antibody (aa461-510) - Images



Human Spleen: Formalin-Fixed, Paraffin-Embedded (FFPE)

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Western blot analysis of HRS pAb at 1:500 dilution.

HRS / HGS Antibody (aa461-510) - Background

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HRS / HGS Antibody (aa461-510) - References

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