

HRS / HGS Antibody (aa451-500)
Rabbit Polyclonal Antibody
Catalog # ALS14199**Specification**

HRS / HGS Antibody (aa451-500) - Product Information

Application	IF, IHC
Primary Accession	O14964
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	86kDa KDa

HRS / HGS Antibody (aa451-500) - Additional Information**Gene ID** 9146**Other Names**

Hepatocyte growth factor-regulated tyrosine kinase substrate, Hrs, Protein pp110, HGS, HRS

Target/Specificity

HGS Antibody detects endogenous levels of total HGS protein.

Reconstitution & Storage

Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles.

Precautions

HRS / HGS Antibody (aa451-500) is for research use only and not for use in diagnostic or therapeutic procedures.

HRS / HGS Antibody (aa451-500) - 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

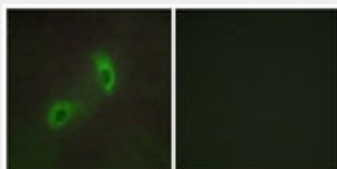
Volume

50 μ l

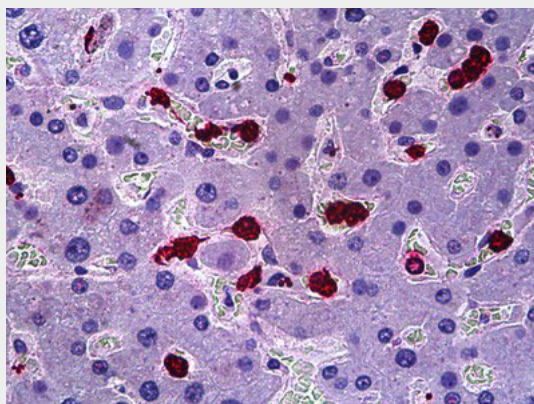
HRS / HGS Antibody (aa451-500) - Protocols

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

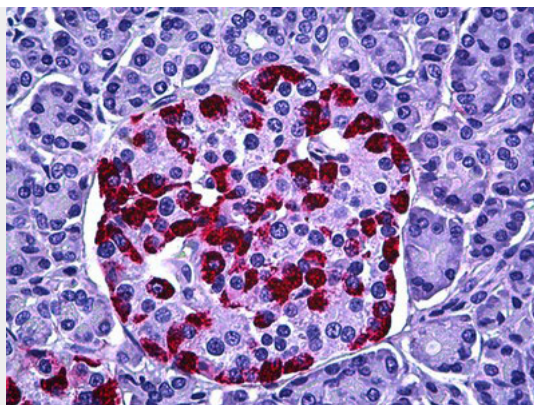
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

HRS / HGS Antibody (aa451-500) - Images

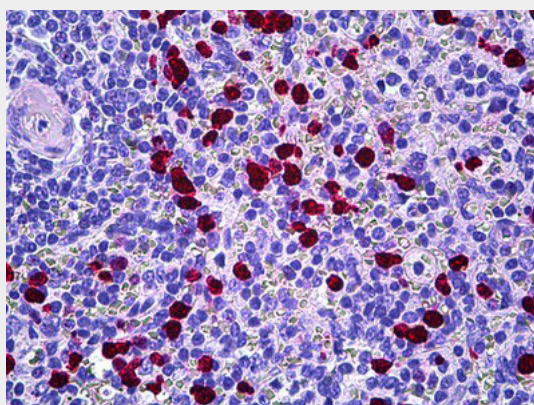
Immunofluorescence of HUVEC cells, using HGS Antibody.



Anti-HGS antibody IHC of human liver.



Anti-HGS antibody IHC of human pancreas, islets of Langerhans.



Anti-HGS antibody IHC of human spleen.

HRS / HGS Antibody (aa451-500) - Background

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 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.

HRS / HGS Antibody (aa451-500) - References

- Asao H.,et al.J. Biol. Chem. 272:32785-32791(1997).
- Lu L.,et al.Gene 213:125-132(1998).
- Scoles D.R.,et al.Hum. Mol. Genet. 9:1567-1574(2000).
- Kalnine N.,et al.Submitted (AUG-2003) to the EMBL/GenBank/DDBJ databases.
- Komada M.,et al.J. Biol. Chem. 272:20538-20544(1997).