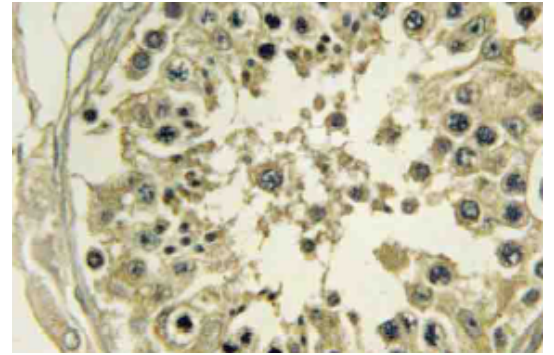


AP20509PU-N**Polyclonal Antibody to HGS / HRS - Aff - Purified**

Alternate names:	Hepatocyte growth factor-regulated tyrosine kinase substrate, Protein pp110
Quantity:	0.1 mg
Concentration:	1.0 mg/ml
Background:	<p>The hepatocyte growth factor-regulated tyrosine kinase substrate (Hrs) is a zinc-finger protein that interacts with STAM and undergoes tyrosine phosphorylation in response to IL2, CSF2 or HGF. Hrs is involved in intracellular trafficking and signal transduction and is associated with early endosomes. H contains a phosphatidylinositol 3-phosphate-binding domain that contributes to its endosomal targeting, where Hrs colocalizes with Clathrin via a Clathrin box motif at the carboxy terminus of Hrs. Hrs is essential for ventral folding morphogenesis and shares structural similarity to the yeast protein Vps27p, which is involved in vacuolar protein sorting. The human Hrs gene, which maps to chromosome 17q25, encodes a 777 amino acid protein. In Schwann cells, Hrs colocalizes at endosomes with the tumor suppressor protein schwannomin, suggesting a role for schwannomin in Hrs-mediated cell signaling.</p>
Uniprot ID:	O14964
NCBI:	NP_004703
GenelD:	9146
Host:	Rabbit
Format:	State: Liquid purified Ig fraction (> 95% (by SDS-PAGE) Purification: Affinity Chromatography using epitope-specific immunogen Buffer System: Phosphate buffered saline (PBS), pH~7.2 Preservatives: 0.05% Sodium Azide
Applications:	Western blot: 1/500-1/1000. Immunofluorescence: 1/50-1/200. Immunohistochemistry on Paraffin Sections: 1/50-1/200. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Molecular Weight:	~86 kDa
Specificity:	This antibody detects endogenous levels of Hrs protein. (region surrounding Arg481)
Species Reactivity:	Tested: Human. Expected from sequence similarity: Mouse and Rat.
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.

Pictures:

Immunohistochemistry analyzes of Hrs antibody (Cat.-No.: AP20509PU-N) in paraffin-embedded Human testis tissue.



Western blot (WB) analysis of Hrs antibody (Cat.-No.: AP20509PU-N) in extracts from 293 cells.

