

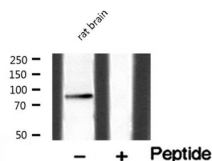
## HGS Ab

Cat.#: AF0316  
Size: 100ul,200ul

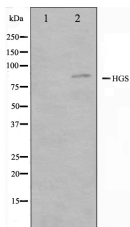
Concn.: 1mg/ml  
Source: Rabbit

Mol.Wt.: 86kDa  
Clonality: Polyclonal

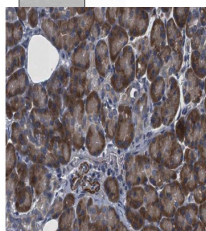
Application:	WB: 1:500~1:3000 IHC: 1:50~1:200 IF/ICC: 1:100~1:500
Reactivity:	Human,Mouse,Rat
Purification:	The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific).
Specificity:	HGS Ab detects endogenous levels of total HGS.
Immunogen:	A synthesized peptide derived from human HGS.
Uniprot:	O14964
Description:	Hrs a zinc finger protein which is rapidly tyrosine phosphorylated in cells stimulated with various growth factors. Hrs mRNA is expressed in all the human adult and fetal tissues tested.
Subcellular Location:	Cytoplasm. Early endosome membrane. Endosome > multivesicular body membrane.
Tissue Specificity:	Ubiquitous expression in adult and fetal tissues with higher expression in testis and peripheral blood leukocytes.
Similarity:	Has a double-sided UIM that can bind 2 ubiquitin molecules, one on each side of the helix. The FYVE-type zinc finger domain mediates interactions with phosphatidylinositol 3-phosphate in membranes of early endosomes and penetrates bilayers. The FYVE domain insertion into PtdIns3P-enriched membranes is substantially increased in acidic conditions.
Storage Condition and Buffer:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt.



Western blot analysis of HGS expression in Rat brain lysate



Western blot analysis on HepG2 cell lysate using HGS Ab. The lane on the left is treated with the antigen-specific peptide.



AF0316 at 1/100 staining human pancreas tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the Ab for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit Ab was used as the secondary.



AF0316 staining MCF-7 cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25°C. The primary Ab was diluted at 1/200 and incubated with the sample for 1 hour at 37°C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab (Cat.# S0006), diluted at 1/600, was used as secondary Ab.

**IMPORTANT:** For western blot, incubate membrane with diluted primary Ab in 5% w/v milk, 1X TBS, 0.1% Tween@20 at 4°C with gentle shaking, overnight.

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