

## HGS Polyclonal Antibody

Catalog number: 10390-1-AP

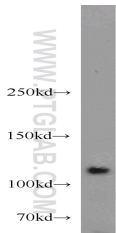
Size: 45 µg/150 µl

Source: Rabbit

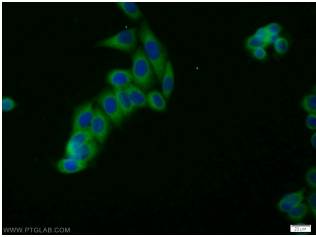
Isotype: IgG

Synonyms:

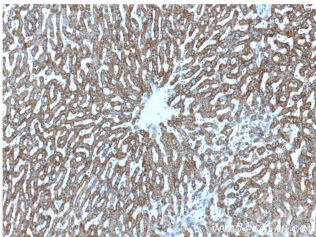
HGS; HGS, HRS, Protein pp110, ZFYVE8



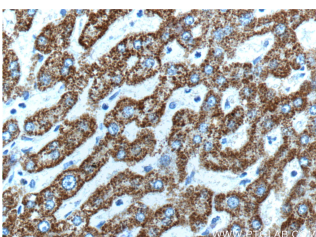
HeLa cells were subjected to SDS PAGE followed by western blot with 10390-1-AP(HGS antibody) at dilution of 1:800



Immunofluorescent analysis of HeLa cells using 10390-1-AP( HGS Antibody) at dilution of 1:25 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)



Immunohistochemistry of paraffin-embedded human liver tissue slide using 10390-1-AP( HGS Antibody) at dilution of 1:200 (under 10x lens).



### Background

Hepatocyte growth factor-regulated tyrosine kinase substrate (HGS, synonyms: HRS, ZFYVE8) is a 110 to 115-kDa zinc finger phosphotyrosine protein inducible by stimulation with interleukin 2 (IL-2), granulocyte-macrophage colony-stimulating factor (GM-CSF) as well as hepatocyte growth factor (HGF), and is associated with signal-transducing adaptor molecule (STAM). HGS suppresses DNA synthesis upon stimulation with IL-2 and GM-CSF, counteracting the function of STAM which is critical for cell growth signaling mediated by the cytokines. HGS also interacts with the neurofibromatosis 2 tumor suppressor protein schwannomin/merlin. The growth suppression activity of schwannomin/merlin requires HGS and the binding of schwannomin/merlin to HGS facilitates its ability to function as a tumor suppressor, probably by inhibiting STAT activation.

### Applications

Tested applications:	ELISA, WB, IP, IF, IHC
Cited applications:	IF, WB
Species specificity:	Human, Mouse; other species not tested.
Cited species:	Human
Calculated HGS MW:	86 kDa
Observed HGS MW:	110-115 kDa
Positive WB detected in	HeLa cells, HEK-293 cells, K-562 cells
Positive IP detected in	Mouse brain tissue
Positive IHC detected in	Human liver tissue
Positive IF detected in	HeLa cells
Recommended dilution:	WB: 1:200-1:2000 IP: 1:500-1:5000 IHC: 1:50-1:500 IF: 1:10-1:100

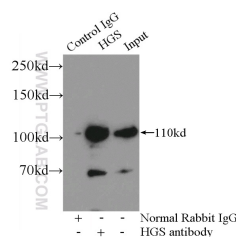
Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

### Immunogen information

Immunogen:	Ag0589
GenBank accession number:	BC003565
Gene ID (NCBI):	9146
Full name:	Hepatocyte growth factor-regulated tyrosine kinase substrate

### Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.



**Immunohistochemistry of paraffin-embedded human liver tissue slide using 10390-1-AP( HGS Antibody) at dilution of 1:200 (under 40x lens).**

**IP Result of anti-HGS (IP:10390-1-AP, 5ug; Detection:10390-1-AP 1:1000) with mouse brain tissue lysate 3000ug.**