

For Research Use Only

HGS Monoclonal antibody, PBS Only

Catalog Number: 67818-1-PBS



Basic Information

Catalog Number: 67818-1-PBS	GenBank Accession Number: BC003565	Purification Method: Protein A purification
Size: 100ug, Concentration: 1mg/ml by Nanodrop;	GeneID (NCBI): 9146	CloneNo.: 3B10D6
Source: Mouse	UNIPROT ID: O14964	
Isotype: IgG2a	Full Name: hepatocyte growth factor-regulated tyrosine kinase substrate	
Immunogen Catalog Number: AG28610	Calculated MW: 86 kDa	
	Observed MW: 110 kDa	

Applications

Tested Applications:
WB, IF, IHC, ELISA

Species Specificity:
Human, Mouse, Rat

Background Information

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.

Storage

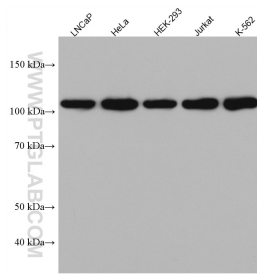
Storage:
Store at -80°C.

Storage Buffer:
PBS Only

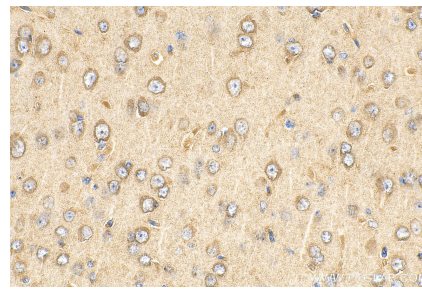
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
W: ptglab.com

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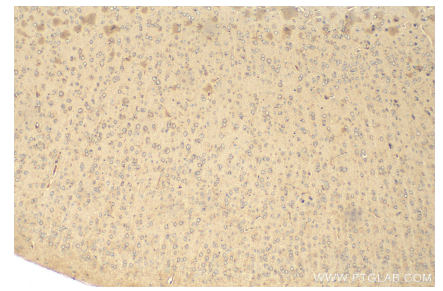
Selected Validation Data



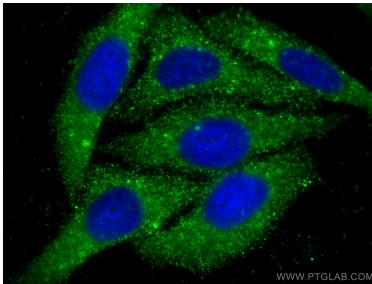
Various lysates were subjected to SDS PAGE followed by western blot with 67818-1-Ig (HGS antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 67818-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 67818-1-Ig (HGS antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 67818-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 67818-1-Ig (HGS antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 67818-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using HGS antibody (67818-1-Ig, Clone: 3B10D6) at dilution of 1:400 and Multi-rAb CoraLite ® Plus 488-Goat Anti-Mouse Recombinant Secondary Antibody (H+L) (RGAM002). This data was developed using the same antibody clone with 67818-1-PBS in a different storage buffer formulation.