

For Research Use Only

CoraLite® Plus 647-conjugated HGS Monoclonal antibody

Catalog Number: CL647-67818



Basic Information

Catalog Number: CL647-67818	GenBank Accession Number: BC003565	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 9146	CloneNo.: 3B10D6
Source: Mouse	UNIPROT ID: O14964	Recommended Dilutions: IF/ICC 1:50-1:500
Isotype: IgG2a	Full Name: hepatocyte growth factor-regulated tyrosine kinase substrate	Excitation/Emission maxima wavelengths: 654 nm / 674 nm
Immunogen Catalog Number: AG28610	Calculated MW: 86 kDa	

Applications

Tested Applications: IF/ICC	Positive Controls: IF/ICC : HepG2 cells,
Species Specificity: human	

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.

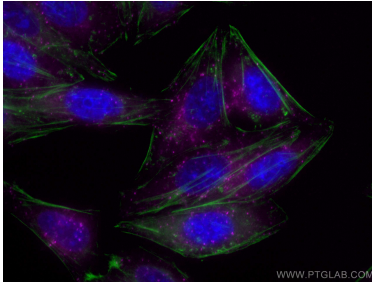
Storage

Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

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
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (-20°C Methanol) fixed HepG2 cells using CoraLite® Plus 647 HGS antibody (CL647-67818, Clone: 3B10D6) at dilution of 1:100, CoraLite® 488 Beta Actin antibody (CL488-66009, Clone: 2D4H5, green).