

For Research Use Only

CoraLite® Plus 488-conjugated HGS Recombinant monoclonal antibody

Catalog Number: CL488-87420



Basic Information

Catalog Number: CL488-87420	GenBank Accession Number: BC003565	Purification Method: Protein A purification
Source: Rabbit	GeneID (NCBI): 9146	CloneNo.: 252813G1
Isotype: IgG	UNIPROT ID: O14964	Recommended Dilutions: IF/ICC: 1:50-1:500
Immunogen Catalog Number: AG0589	Full Name: hepatocyte growth factor-regulated tyrosine kinase substrate	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
	Calculated MW: 86 kDa	
	Observed MW: 110 kDa	

Applications

Tested Applications: IF/ICC	Positive Controls: IF/ICC : Saos-2 cells,
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 STAM's function, 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 schwannoma/merlin requires HGS. The binding of schwannoma/merlin to HGS facilitates its ability to function as a tumor suppressor, probably by inhibiting STAT activation.

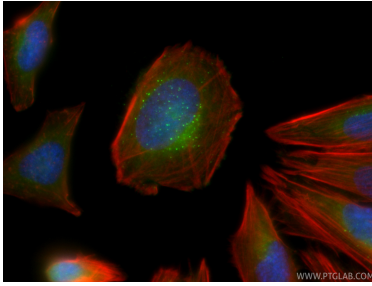
Storage

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, pH7.3
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:
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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 (4% PFA) fixed Saos-2 cells using CoraLite® Plus 488 HGS antibody (CL488-87420, Clone: 252813G1) at dilution of 1:200, CL594-phalloidin (red).