

For Research Use Only

CoraLite® Plus 488-conjugated KIF5B Recombinant antibody

Catalog Number:CL488-82485



Basic Information

Catalog Number: CL488-82485	GenBank Accession Number: BC126279	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 3799	CloneNo.: 2B18
Source: Rabbit	UNIPROT ID: P33176	Recommended Dilutions: IF/ICC 1:50-1:500
Isotype: IgG	Full Name: kinesin family member 5B	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Immunogen Catalog Number: AG16250	Calculated MW: 963 aa, 110 kDa	
	Observed MW: 110-120 kDa	

Applications

Tested Applications: IF/ICC, FC (Intra)	Positive Controls: IF/ICC : HepG2 cells,
Species Specificity: human, mouse, rat	

Background Information

KIF5B, also known as KINH, KNS1, belongs to the Kinesin-1 family. KIF5B contains three structural domains: a globular N-terminal motor domain, a central alpha-helical rod domain, and a globular C-terminal domain. During the G2 phase of the cell cycle in a BICD2-dependent manner, KIF5B antagonizes the dynein function and drives the separation of nuclei and centrosomes (PMID: 20386726). KIF5B drives the polarization of cytoplasmic granules and microtubule-organizing centers (MTOCs) toward the immune synapse between effector NK lymphocytes and target cells (KIF5B:24088571).

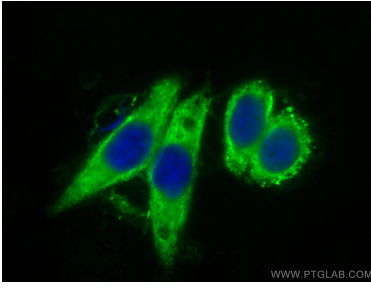
Storage

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

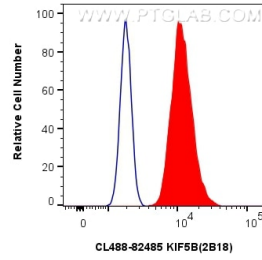
For technical support and original validation data for this product please contact:
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using CoraLite® Plus 488 KIF5B antibody (CL488-82485, Clone: 2B18) at dilution of 1:200.



1x10⁶ HepG2 cells were intracellularly stained with 0.4 ug CoraLite® Plus 488-conjugated KIF5B Recombinant antibody (CL488-82485, Clone:2B18) (red), or 0.4 ug CoraLite® Plus 488-conjugated Rabbit IgG control Rabbit PolyAb (CL488-30000) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).