

For Research Use Only

# CoraLite® Plus 488-conjugated KIF5B Polyclonal antibody



Catalog Number: CL488-21632

Featured Product

## Basic Information

Catalog Number:

CL488-21632

Size:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG16250

GenBank Accession Number:

BC126279

GeneID (NCBI):

3799

UNIPROT ID:

P33176

Full Name:

kinesin family member 5B

Calculated MW:

963 aa, 110 kDa

Observed MW:

110-120 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

IF 1:50-1:500

Excitation/Emission maxima  
wavelengths:

493 nm / 522 nm

## Applications

Tested Applications:

IF/ICC

Species Specificity:

human, mouse, rat

Positive Controls:

IF : HepG2 cells,

## 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:

T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

W: [ptgcn.com](http://ptgcn.com)

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 (CL488-21632) at dilution of 1:200.