For Research Use Only

## CoraLite® Plus 488-conjugated KIF5B Polyclonal antibody



Catalog Number: CL488-21632

**Featured Product** 

**Basic Information** 

Catalog Number: CL488-21632

1000 µg/ml Source: Rabbit Isotype:

Immunogen Catalog Number:

AG16250

Observed MW:

110-120 kDa

Calculated MW:

963 aa, 110 kDa

BC126279

GeneID (NCBI):

**UNIPROT ID:** 

Full Name:

P33176

GenBank Accession Number:

kinesin family member 5B

**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 cytolytic granules and microtubule-organizing centers (MTOCs) toward the immune synapse between effector NK lymphocytes and target cells (KIF5B:24088571).

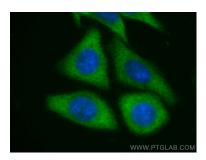
Storage

Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

## 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.