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# **Recombinant KIF5B Monoclonal Antibody**

catalog number: AN301889L

Note: Centrifuge before opening to ensure complete recovery of vial contents.

### **Description**

Reactivity Human; Rat; Mouse

Immunogen Recombinant human KIF5B fragment

 Host
 Rabbit

 Isotype
 IgG, κ

 Clone
 A605

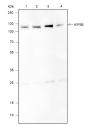
Purification Protein Apurified

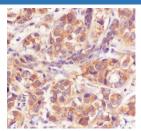
Buffer PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

# Applications Recommended Dilution

**WB** 1:500-1:1000 **IHC** 1:50-1:100

#### Data





Western Blot with KIF5B Monoclonal Antibody at dilution of Immunohistochemistry of paraffin-embedded Human breast 1:1000. Lane 1: HeLa, Lane 2: HepG2, Lane 3: Mouse brain, cancer using KIF5B Monoclonal Antibody at dilution of Lane 4: Rat brain 1:100.

Observed-MW:110 kDa Calculated-MW:110 kDa

# **Preparation & Storage**

Storage Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.

Shipping Ice bag

## **Background**

KIF5B is a member of kinesin superfamily protein 5 (KIF5). KIF5 consists of three family members referred to as KIF5A, KIF5B, and KIF5C. KIF5A and KIF5C are specifically expressed in neurons whereas KIF5B is expressed ubiquitously. Targeted disruption of the kif5B gene resulted in embryonic lethality. These and other studies demonstrate that KIF5B plays an important role in the localization and distribution of major organelles, including the mitochondria and lysosome, and can contribute to autophagy. In addition, gene rearrangements involving KIF5B fusions to ALK and RET have been identified as drivers for lung cancer and other malignancies.

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