

Recombinant KIF5B Monoclonal Antibody

catalog number: **AN301889L**

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

Description

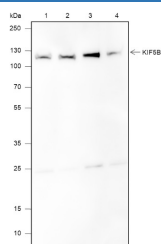
Reactivity	Human;Rat;Mouse
Immunogen	Recombinant human KIF5B fragment
Host	Rabbit
Isotype	IgG, κ
Clone	C121510
Purification	Protein A purified
Buffer	PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

Applications

Recommended Dilution

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

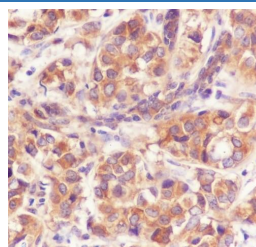
Data



Western Blot with KIF5B Monoclonal Antibody at dilution of 1:1000. Lane 1: HeLa, Lane 2: HepG2, Lane 3: Mouse brain, Lane 4: Rat brain

Observed-MW:110 kDa

Calculated-MW:110 kDa



Immunohistochemistry of paraffin-embedded Human breast cancer using KIF5B Monoclonal Antibody at dilution of 1:100.

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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Toll-free: 1-888-852-8623
Web: www.elabscience.com

Tel: 1-832-243-6086
Email: techsupport@elabscience.com

Fax: 1-832-243-6017

Rev. V1.2