

Anti-KIF5B Antibody

Catalog Number: A01934-2

About KIF5B

Enables identical protein binding activity; microtubule binding activity; and microtubule motor activity. Involved in several processes, including lysosome localization; natural killer cell mediated cytotoxicity; and positive regulation of protein localization to plasma membrane. Located in centriolar satellite; cytosol; and vesicle.

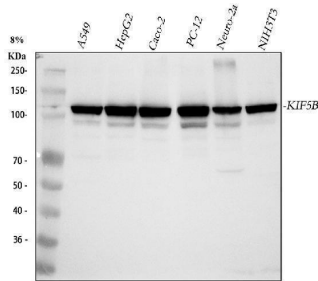
Overview

Product Name	Anti-KIF5B Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-KIF5B Antibody catalog # A01934-2. Tested in WB, IHC, IP, ELISA applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, IP, IHC, WB
Clonality	Polyclonal
Formulation	500 ug/ml antibody with PBS, 0.02% NaN ₃ , 1 mg stabilizing protein and 50% glycerol *This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	12 months from date of receipt -20°C as supplied. 6 months 2 to 8°C after reconstitution. Avoid repeated freezing and thawing.
Host	Rabbit
Uniprot ID	P33176

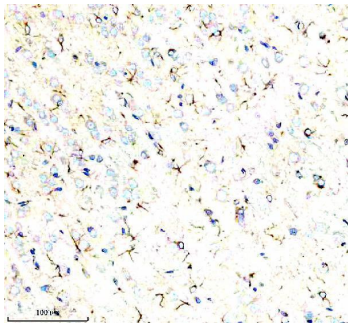
Technical Details

Immunogen	E.coli-derived human KIF5B recombinant protein (Position: Q659-L785).
Form	Liquid
Concentration	500 ug/ml
Purification	Immunogen affinity purified.
Suggested Dilutions	Western blot, 1:500-2000 Immunohistochemistry, 1:50-400 Immunoprecipitation, 1:50 ELISA, 1:100-1000

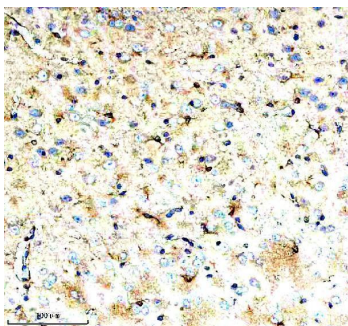
Anti-KIF5B Antibody (A01934-2) Images



Western blot analysis of KIF5B using anti-KIF5B antibody (A01934-2). Electrophoresis was performed on a 10% SDS-PAGE gel at 80V (Stacking gel) / 120V (Resolving gel) for 2 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: human A549 whole cell lysates, Lane 2: human HepG2 whole cell lysates, Lane 3: human Caco-2 whole cell lysates, Lane 4: rat PC-12 whole cell lysates, Lane 5: mouse Neuro-2a whole cell lysates, Lane 6: mouse NIH/3T3 whole cell lysates. After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-KIF5B antigen affinity purified polyclonal antibody (A01934-2) at 1:1000 overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an ECL Plus Western Blotting Substrate (Catalog # AR1196-200) with Tanon 5200 system. A specific band was detected for KIF5B at approximately 110 kDa. The expected band size for KIF5B is at 110 kDa.



IHC analysis of KIF5B using anti-KIF5B antibody (A01934-2). KIF5B was detected in a paraffin-embedded section of mouse brain tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1:100 rabbit anti-KIF5B Antibody (A01934-2) overnight at 4°C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB as the chromogen.



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For Research Use Only. Not for use in diagnostic procedures.