

Anti-KIF5C Antibody

Catalog Number: A06758-2

About KIF5C

KIF5C (Kinesin heavy chain isoform 5C variant) which belongs to the kinesin-like protein family is neuron specific. The kinesin-1 subfamilies (kif5a, kif5b, kif5c) are responsible for the movement of mitochondria in neurons. Kinesins have N-terminal motor domains and C-terminal cargo-binding tail domains separated by hinge regions. The hinge and C-terminal tail regions of Kif5a, Kif5b, and Kif5c bound a large detergent-resistant RNase-sensitive granule. The granule localized to dendrites and underwent bidirectional movement. Distally directed movement of the granule was enhanced by Kif5 overexpression and reduced by Kif5 functional blockage. kinesins may transport RNA in dendrites via this large granule. Two major isoforms of kif5c, with molecular predicted masses of 80 and 110 kDa, are generated by alternative splicing.

Overview

Product Name	Anti-KIF5C Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-KIF5C Antibody catalog # A06758-2. Tested in WB, IHC, ICC/IF, IP, ELISA applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, IP, IF, IHC, ICC, 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 at -20°C as supplied. 6 months at 2 to 8°C after reconstitution. Avoid repeated freezing and thawing.
Host	Rabbit
Uniprot ID	O60282

Technical Details

Immunogen	E.coli-derived human KIF5C recombinant protein (Position: P145-S191).
Form	Liquid
Concentration	500 ug/ml
Purification	Immunogen affinity purified.
Suggested Dilutions	Western blot, 1:500-2000

Immunohistochemistry, 1:50-400
Immunocytochemistry/Immunofluorescence, 1:50-400
ImmunoPrecipitation, 1:250-300
ELISA, 1:100-1000

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Anti-KIF5C Antibody

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