

Rabbit KIF5A Polyclonal Antibody | anti-KIF5A antibody

Anti-KIF5A Antibody Picoband

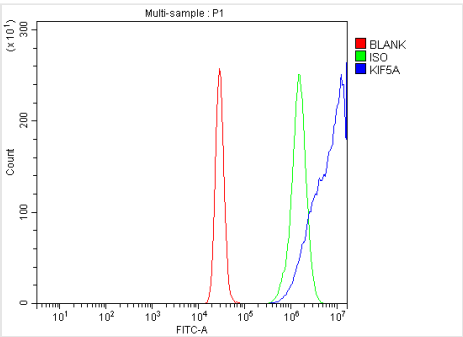
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA126327	Rabbit	Human, Mouse, Rat	ELISA, Flow Cytometry, Functional Assay, Western Blot

PRODUCT SYNONYMS

KIF5A; Polyclonal Antibody; Anti-KIF5A Antibody Picoband; anti-KIF5A antibody

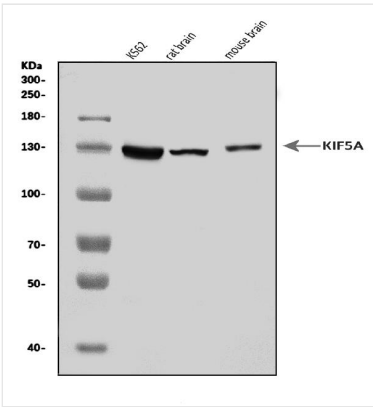
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml. (varies by lot)
Applicable Applications for anti-KIF5A antibody	ELISA, FCM/FACS (Flow Cytometry), WB (Western Blot)
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Immunogen	E Coli-derived human KIF5A recombinant protein (Position: E374-S1032).
Preparation and Storage	Store at -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months. Avoid repeated freezing and thawing.



FCM/FACS (Flow Cytometry)

Figure 2. Flow Cytometry analysis of K562 cells using anti-KIF5A antibody (AAA126327).Overlay histogram showing K562 cells stained with AAA126327 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-KIF5A Antibody (AAA126327, 1 ug/1x10⁶ cells) for 30 min at 20 degree C. DyLight488 conjugated goat anti-rabbit IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1 ug/1x10⁶) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



WB (Western Blot)

Figure 1. Western blot analysis of KIF5A using anti-KIF5A antibody (AAA126327).Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions.Lane 1: human K562 whole cell lysates,Lane 2: rat brain tissue lysates,Lane 3: mouse brain tissue 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-KIF5A antigen affinity purified polyclonal antibody (#AAA126327) at 0.25 ug/mL overnight at 4 degree 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 Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for KIF5A at approximately 117 kDa. The expected band size for KIF5A is at 117 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-KIF5A antibody	Kinesin heavy chain isoform 5A is a protein that in humans is encoded by the KIF5A gene. This gene encodes a member of the kinesin family of proteins. Members of this family are part of a multisubunit complex that functions as a microtubule motor in intracellular organelle transport. Mutations in this gene cause autosomal dominant spastic paraplegia 10.
Product Categories/Family for anti-KIF5A antibody	Primary Antibodies, Rabbit Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	45446749
NCBI GeneID	3798
NCBI Accession #	NP_004975.2
NCBI GenBank Nucleotide #	NM_004984.2
UniProt Accession #	Q12840; Q4LE26; A6H8M5
Molecular Weight	117,378 Da
NCBI Official Full Name	kinesin heavy chain isoform 5A
NCBI Official Synonym Full Names	kinesin family member 5A
NCBI Official Symbol	KIF5A
NCBI Official Synonym Symbols	NKHC; MY050; SPG10; D12S1889
NCBI Protein Information	kinesin heavy chain isoform 5A; KIF5A variant protein; neuronal kinesin heavy chain; kinesin heavy chain neuron-specific 1; kinesin, heavy chain, neuron-specific
UniProt Protein Name	Kinesin heavy chain isoform 5A

UniProt Gene Name	KIF5A
UniProt Synonym Gene Names	NKHC1; NKHC
UniProt Entry Name	KIF5A_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/kif5a-antibody-flow-cytometry-western-blot-elisa/126327>