

Rabbit Kinesin 5 C Polyclonal Antibody | anti-KIF5C antibody

Kinesin 5 C Antibody

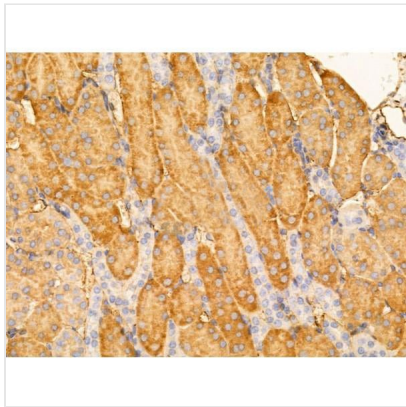
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA329092	Rabbit	Human, Mouse, Rat Predicted Reactivity: Pig(100%), Bovine(100%), Horse(100%), Sheep(100%), Rabbit(100%), Dog(100%), Chicken(100%)	ELISA

PRODUCT SYNONYMS

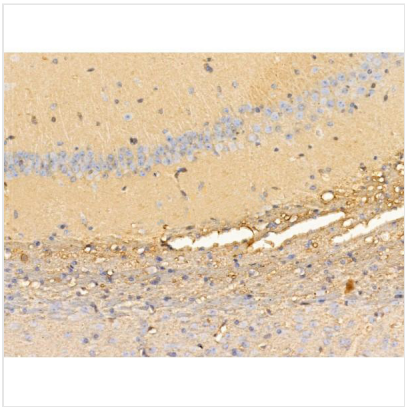
Kinesin 5 C; Polyclonal Antibody; Kinesin 5 C Antibody; CDCBM2; FLJ44735; KIAA0531; KIF 5C; Kif5c; KIF5C protein; KIF5C_HUMAN; Kinesin family member 5C; Kinesin heavy chain isoform 5C; Kinesin heavy chain neuron specific 2; Kinesin heavy chain neuron specific; Kinesin heavy chain neuron-specific 2; Kinesin5C; KINN; MGC111478; NKHC 2; NKHC; NKHC-2; NKHC2; anti-KIF5C antibody

PRODUCT SPECIFICATIONS

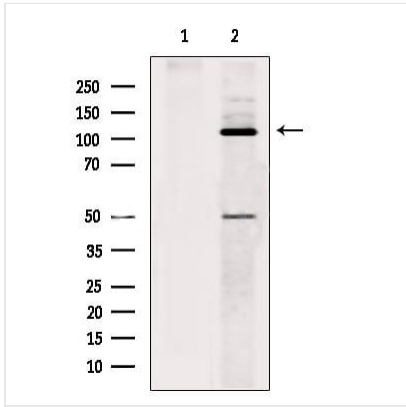
Host	Rabbit
Reactivity	Human, Mouse, Rat Predicted Reactivity: Pig(100%), Bovine(100%), Horse(100%), Sheep(100%), Rabbit(100%), Dog(100%), Chicken(100%)
Clonality	Polyclonal
Isotype	IgG
Specificity	Kinesin 5 C Antibody detects endogenous levels of total Kinesin 5 C.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin (Thermo Fisher Scientific).
Form/Format	Liquid. Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol
Concentration	1mg/ml (varies by lot)
Sequence Length	957
Applicable Applications for anti-KIF5C antibody	ELISA
Immunogen	A synthesized peptide derived from human Kinesin 5 C, corresponding to a region within C-terminal amino acids.
Fragment	Fab fragment
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.



IHC (Immunohistochemisry)
AAA329092 at 1/100 staining Mouse kidney tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4Â°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



IHC (Immunohiostchemistry)
AAA329092 at 1/100 staining Mouse brain tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4Â°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



WB (Western Blot)
Western blot analysis of extracts from Rat brain, using Kinesin 5 C Antibody. The lane on the left was treated with blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-KIF5C antibody	Function: Involved in synaptic transmission (PubMed:24812067). Mediates dendritic trafficking of mRNAs (By similarity). Kinesin is a microtubule-associated force-producing protein that may play a role in organelle transport. Required for anterograde axonal transportation of MAPK8IP3/JIP3 which is essential for MAPK8IP3/JIP3 function in axon elongation (By similarity). Subcellular Location: Cytoplasm>Cytoskeleton. Cell projection>Dendrite. Note: Abundant in distal regions of dendrites. Tissue Specificity: Highest expression in brain, prostate and testis, and moderate expression in kidney, small intestine and ovary. Subunit Structure: Oligomer composed of two heavy chains and two light chains. Interacts with GRIP1 and KLC3 (By similarity). Interacts with TRAK1 (PubMed:15644324). Interacts with ZFYVE27 (By similarity). Similarity: Composed of three structural domains: a large globular N-terminal domain which is responsible for the motor activity of kinesin (it hydrolyzes ATP and binds microtubule), a central alpha-helical coiled coil domain that mediates the heavy chain dimerization; and a small globular C-terminal domain which interacts with other proteins (such as the kinesin light chains), vesicles and membranous organelles.Belongs to the TRAFAC class myosin-kinesin ATPase superfamily. Kinesin family. Kinesin subfamily.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4758650
NCBI GeneID	3800
NCBI Accession #	NP_004513.1
NCBI GenBank Nucleotide #	NP_004513.1
UniProt Accession #	O60282
Molecular Weight	Observed Molecular Weight: (Observed)109kD. Predicted Molecular Weight: (Calculated)109kDa.
NCBI Official Full Name	kinesin heavy chain isoform 5C
NCBI Official Synonym Full Names	kinesin family member 5C
NCBI Official Symbol	KIF5C
NCBI Official Synonym Symbols	KINN; NKHC; NKHC2; CDCBM2; NKHC-2
NCBI Protein Information	kinesin heavy chain isoform 5C; kinesin heavy chain
UniProt Protein Name	Kinesin heavy chain isoform 5C
UniProt Gene Name	KIF5C
UniProt Synonym Gene Names	KIAA0531; NKHC2
UniProt Entry Name	KIF5C_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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/kinesin-5-c-antibody-elisa/329092>