

Rabbit KIF3A Polyclonal Antibody | anti-KIF3A antibody

KIF3A Antibody

CATALOG # AAA327441	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS ELISA, Immunohistochemistry, Western Blot
-------------------------------	-----------------------	--	--

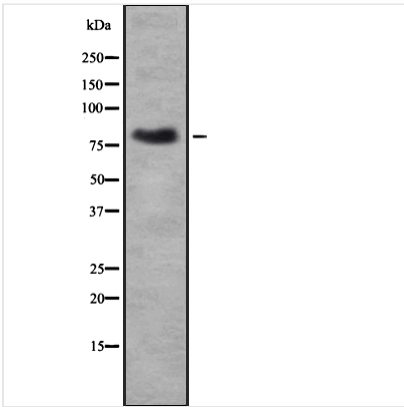
PRODUCT SYNONYMS

KIF3A; Polyclonal Antibody; KIF3A Antibody; KIF 3; KIF 3A; KIF3; Kif3a; KIF3A_HUMAN; Kifl; Kinesin family member 3A; Kinesin family protein 3; Kinesin family protein 3A; Kinesin like protein KIF 3A; Kinesin like protein KIF3A; Kinesin-like protein KIF3A; Kns3; Microtubule plus end directed kinesin motor 3A; Microtubule plus end-directed kinesin motor 3A; anti-KIF3A antibody

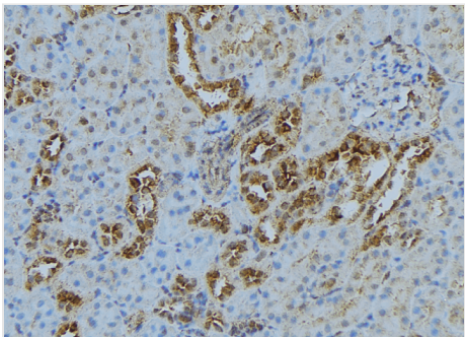
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	KIF3A antibody detects endogenous levels of total KIF3A
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	726
Applicable Applications for anti-KIF3A antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human KIF3A
Subcellular Location	Cytoplasm > Cytoskeleton.
Predicted Cross Reactivity	Pig, Zebrafish, Bovine, Horse, Sheep, Rabbit, Dog, Chicken, Xenopus
Similarity	Pig (100%), Zebrafish (92%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (92%), Chicken (92%), Xenopus (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)
Western blot analysis of KIF3A using RAW264.7 whole cell lysates



IHC (Immunohistochemistry)
AAA327441 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 antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-KIF3A antibody	Function: Microtubule-based anterograde translocator for membranous organelles. Plus end-directed microtubule sliding activity in vitro. Plays a role in primary cilia formation. Plays a role in centriole cohesion and subdistal appendage organization and function. Regulates the formation of the subdistal appendage via recruitment of DCTN1 to the centriole. Also required for ciliary basal feet formation and microtubule anchoring to mother centriole. Subunit Structure: Heterodimer of KIF3A and KIF3B (By similarity). Interacts with PIFO (PubMed:20643351). Interacts with CLN3 (PubMed:22261744). Interacts with DCTN1 (By similarity). Similarity: Belongs to the TRAFAC class myosin-kinesin ATPase superfamily. Kinesin family. Kinesin II subfamily.
--	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	663853723
NCBI GeneID	11127
NCBI Accession #	NP_001287720.1
NCBI GenBank Nucleotide #	NM_001300791.1
UniProt Accession #	Q9Y496; Q59EN1; Q86XE9; Q9Y6V4; A8MSW9
Molecular Weight	Observed: 85 kDa Predicted: 81 kDa
NCBI Official Full Name	kinesin-like protein KIF3A isoform 1
NCBI Official Synonym Full Names	kinesin family member 3A
NCBI Official Symbol	KIF3A
NCBI Official Synonym Symbols	FLA10; KLP-20
NCBI Protein Information	kinesin-like protein KIF3A
UniProt Protein Name	Kinesin-like protein KIF3A
UniProt Gene Name	KIF3A
UniProt Synonym Gene Names	KIF3

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.