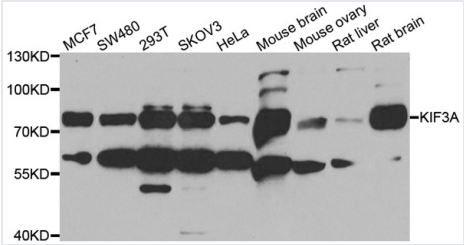
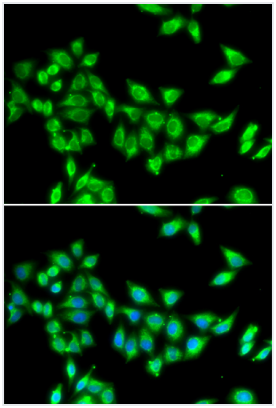
KIF3A Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	KIF3A, Polyclonal Antibody
Full Product Name	KIF3A antibody
Product Gene Name	anti-KIF3A antibody
Product Synonym Names	FLA10; KLP-20
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purity/Purification	Antibodies were purified by affinity purification using immunogen.
Concentration	1.0 mg/ml (lot specific)
Specificity	The antibody detects endogenous level of total KIF3A antibody.
Preparation and Storage	Store at -20 degree C
Molecular Weight	80,041 Da
OMIM	604683
3D Structure	ModBase 3D Structure for Q9Y496
Immunogen Type	Recombinant Protein
Immunogen Description	Recombinant protein of human KIF3A.
Target Name	KIF3A
Product Categories/Family for anti-KIF3A antibody	Total protein Ab
Applications Tested/Suitable for anti-KIF3A antibody	Western Blot (WB), Immunofluorescence (IF)
Application Notes for anti-KIF3A antibody	Western blotting: 1:500 - 1:2000 Immunofluorescence: 1:50 - 1:200
Related Product Information for anti-KIF3A antibody	Microtubule-based anterograde translocator for membranous organelles. Plus end-directed microtubule sliding activity in vitro. Plays a role in primary cilia formation (By similarity).
Other Notes	Small volumes of anti-KIF3A antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for KIF3A purchase	MBS9406067 is an antibody targeting KIF3A. Also known as KIF3A antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.



Western Blot (WB) of anti-KIF3A antibody
Western blot analysis of extracts of various cell lines, using KIF3A antibody.



Immunofluorescence (IF) of anti-KIF3A antibody
Immunofluorescence analysis of U20S cell using KIF3A antibody. Blue: DAPI for nuclear staining.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for KIF3A. It may not necessarily be applicable to this product.

NCBI GI #	663853723
NCBI GeneID	11127
NCBI Accession #	NP_001287720.1
UniProt Primary Accession #	Q9Y496
UniProt Secondary Accession #	Q59EN1; Q86XE9; Q9Y6V4; A8MSW9
UniProt Related Accession #	Q9Y496
GenBank Nucleotide #	NM_001300791.1
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
UniProt Protein Name	Kinesin-like protein KIF3A
UniProt Synonym Protein Names	Microtubule plus end-directed kinesin motor 3A
Protein Family	Kinesin-like protein
UniProt Gene Name	KIF3A
UniProt Synonym Gene Names	KIF3
UniProt Entry Name	KIF3A_HUMAN
NCBI Protein Information	kinesin-like protein KIF3A

UniProt Comments for KIF3A	KIF3A: Microtubule-based anterograde translocator for membranous organelles. Plus end-directed microtubule sliding activity in vitro. Plays a role in primary cilia formation. Heterodimer of KIF3A and KIF3B. Interacts with PIFO/C1orf88. Interacts with CLN3. Belongs to the kinesin-like protein family. Kinesin II subfamily. Protein type: Motor; Microtubule-binding Chromosomal Location of Human Ortholog: 5q31 Cellular Component: microtubule cytoskeleton; centrosome; spindle microtubule; kinesin II complex; cytosol Molecular Function: protein binding; spectrin binding; plus-end-directed microtubule motor activity; microtubule binding; ATPase activity; microtubule motor activity; ATP binding Biological Process: neurogenesis; metabolic process; organelle organization and biogenesis; antigen processing and presentation of exogenous peptide antigen via MHC class II; cilium biogenesis; blood coagulation; microtubule-based movement
Research Articles on KIF3A	**1.** Ablation of this phosphorylation abolished herpes simplex virus 1 US3-mediated downregulation of CD1d expression, suggesting that phosphorylation of KIF3A is the primary mechanism of viral suppression of CD1d expression.
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