

Anti-KIF3A Monoclonal Antibody

Catalog # ABO14437

Product Information

Application	WB, IP
Primary Accession	Q9Y496
Host	Rabbit
Isotype	Rabbit IgG
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Format	Liquid
Description	Anti-KIF3A Monoclonal Antibody . Tested in WB, IP applications. This antibody reacts with Human, Mouse, Rat.

Additional Information

Gene ID	11127
Other Names	Kinesin-like protein KIF3A, Microtubule plus end-directed kinesin motor 3A, KIF3A, KIF3
Calculated MW	80041
Application Details	WB 1:500-1:2000 IP 1:50
Source	Eukaryota
Contents	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.
Clone Names	Clone: ACEO-11
Immunogen	A synthesized peptide derived from human KIF3A Microtubule-based anterograde translocator for membranous organelles. Plus end-directed microtubule sliding activity in vitro.
Purification	Affinity-chromatography
Storage	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.

Protein Information

Name	KIF3A
Synonyms	KIF3

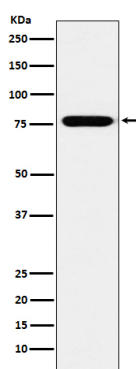
Function

Microtubule-based anterograde translocator for membranous organelles, such as primary cilium and centriole. Shows a plus end- directed microtubule sliding activity in vitro. Plays a role in primary cilia formation, probably by mediating transport of proteins into primary cilia. Mediates smoothed (SMO) translocation into primary cilia in response to hedgehog morphogens. 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.

Cellular Location

Cytoplasm, cytoskeleton. Cell projection, cilium {ECO:0000250|UniProtKB:P28741}. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome, centriole. Note=Localizes to the subdistal appendage region of the centriole.

Images



Western blot analysis of KIF3A expression in SH-SY5Y cell lysate.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.