

KLC3 Recombinant Rabbit mAb

Catalog # AP100274

Product Information

Application	WB, IHC-P, IHC-F, IF, IP
Primary Accession	Q6P597
Other Accession	Q6P597
Reactivity	Rat, Human, Mouse
Host	Rabbit
Clonality	Recombinant
Calculated MW	55364
Physical State	Liquid
Immunogen	A synthesized peptide derived from human Kinesin light chain 3
Epitope Specificity	350-410/504
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	10mM phosphate buffered saline(pH 7.4) with 150mM sodium chloride, 0.05% BSA, 0.02% Proclin300 and 50% glycerol.
SIMILARITY	Belongs to the kinesin light chain family. Contains 5 TPR repeats.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Kinesin is a microtubule-associated force-producing protein that may play a role in organelle transport. Plays a role during spermiogenesis in the development of the sperm tail midpiece and in the normal function of spermatozoa (By similarity).

Additional Information

Gene ID	147700
Other Names	KLC2; KLC2L; KLCt; KNS2B; CR201_G0029399; KLC3_BOVIN; KLC3; KLC3_HUMAN; KLC2-like; kinesin light chain 2; KLC3_MOUSE; KLC3_PONAB; KLC3_RAT; Kinesin light chain KLCt; kinesin light chain 3
Dilution	WB=1:500-2000,IHC-P=1:100-200,IHC-F=1:100-200,ICC/IF=1:50-200,IF=1:100-200,IP=1:20-50,Flow-Cyt=1:50-100
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	KLC3
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Synonyms	KLC2, KLC2L
Function	Kinesin is a microtubule-associated force-producing protein that may play a role in organelle transport. Plays a role during spermiogenesis in the development of the sperm tail midpiece and in the normal function of spermatozoa (By similarity). May play a role in the formation of the mitochondrial sheath formation in the developing spermatid midpiece (By similarity).
Cellular Location	Cytoplasm, cytoskeleton {ECO:0000250 UniProtKB:Q68G30, ECO:0000250 UniProtKB:Q91W40} Mitochondrion {ECO:0000250 UniProtKB:Q91W40}. Note=In elongating spermatid tail midpiece, localized in outer dense fibers (ODFs) and associates with mitochondria. Also localizes to the manchette in elongating spermatids. {ECO:0000250 UniProtKB:Q68G30, ECO:0000250 UniProtKB:Q91W40}

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