KLC3 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	KLC3, Polyclonal Antibody
Full Product Name	KLC3 Polyclonal Conjugated Antibody
Product Gene Name	anti-KLC3 antibody
Product Synonym Names	KLC3 Conjugated Antibody; KLC3; KLC2; KLC2L; KLCt; KNS2B; kinesin light chain 3
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Mouse, Rat
Form/Format	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Purity/Purification	Affinity purification
Preparation and Storage	Store at 4 degree C for 6 months.
Molecular Weight	56,793 Da
OMIM	601334
3D Structure	ModBase 3D Structure for Q6P597
Immunogen	Recombinant fusion protein of human KLC3 (NP_803136.2).
Conjugation	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Excitation Emission	AF350: 346nm/442nm
Applications Tested/Suitable for anti-KLC3 antibody	Most Applications
Application Notes for anti-KLC3 antibody	Suggested Dilution: AF350 conjugated: most applications: 1:50-1:250 AF405 conjugated: most applications: 1:50-1:250 AF488 conjugated: most applications: 1:50-1:250 AF555 conjugated: most applications: 1:50-1:250 AF594 conjugated: most applications: 1:50-1:250 AF647 conjugated: most applications: 1:50-1:250 AF680 conjugated: most applications: 1:50-1:250 AF750 conjugated: most applications: 1:50-1:250 Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1:50-1:1000
Related Product Information for anti-KLC3 antibody	This gene encodes a member of the kinesin light chain gene family. Kinesins are molecular motors involved in the transport of cargo along microtubules, and are composed of two kinesin heavy chain (KHC) and two kinesin light chain (KLC) molecules. KLCs are thought to typically be involved in binding cargo and regulating kinesin activity. In the rat, a protein similar to this gene product is expressed in post-meiotic spermatids, where it associates with structural components of sperm tails and mitochondria.
Other Notes	Small volumes of anti-KLC3 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 KLC3 purchase	MBS9440113 is an antibody targeting KLC3. Also known as KLC3 Polyclonal Conjugated Antibody. Reactive in Mouse, Rat. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for KLC3. It may not necessarily be applicable to this product.

NCBI GI #	91825557
NCBI GeneID	147700
NCBI Accession #	NP_803136.2
UniProt Primary Accession #	Q6P597
UniProt Secondary Accession #	Q6GMU2; Q8NAL1; Q8WWJ9; A0AVM3; A2RUT6
UniProt Related Accession #	Q6P597
GenBank Nucleotide #	NM_177417.2
NCBI Official Full Name	kinesin light chain 3
NCBI Official Synonym Full Names	kinesin light chain 3
NCBI Official Symbol	KLC3
NCBI Official Synonym Symbols	KLC2; KLCt; KLC2L; KNS2B
UniProt Protein Name	Kinesin light chain 3
UniProt Synonym Protein Names	KLC2-like; kinesin light chain 2
Protein Family	Kinesin
UniProt Gene Name	KLC3
UniProt Synonym Gene Names	KLC2; KLC2L
UniProt Entry Name	KLC3_HUMAN
NCBI Protein Information	kinesin light chain 3; kinesin light chain 2
Research Articles on KLC3	**1.** Observational study of gene-disease association, gene-environment interaction, and pharmacogenomic / toxicogenomic. (HuGE Navigator)
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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