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KLC2 Antibody (C-Term) Blocking Peptide

Synthetic peptide
Catalog # BP9798b

Specification

KLC2 Antibody (C-Term) Blocking Peptide - Product Information

Primary Accession	Q9H0B6
Other Accession	NP_073733

KLC2 Antibody (C-Term) Blocking Peptide - Additional Information

Gene ID 64837

Other Names
Kinesin light chain 2, KLC 2, KLC2

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

KLC2 Antibody (C-Term) Blocking Peptide - Protein Information

Name KLC2 (HGNC:20716)

Function
Kinesin is a microtubule-associated force-producing protein that plays a role in organelle transport. The light chain functions in coupling of cargo to the heavy chain or in the modulation of its ATPase activity (Probable). Through binding with PLEKHM2 and ARL8B, recruits kinesin-1 to lysosomes and hence direct lysosomes movement toward microtubule plus ends (PubMed:22172677).

Cellular Location
Cytoplasm, cytoskeleton. Lysosome membrane; Peripheral membrane protein; Cytoplasmic side

KLC2 Antibody (C-Term) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Blocking Peptides

KLC2 Antibody (C-Term) Blocking Peptide - Images

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KLC2 Antibody (C-Term) Blocking Peptide - Background

Kinesin is a molecular motor that generates ATP-dependent movement of vesicles and organelles along microtubules. Kinesin consists of 2 light chains, such as KLC2, and 2 heavy chains (see KIF5B; MIM 602809) in a 1:1 stoichiometric ratio.

KLC2 Antibody (C-Term) Blocking Peptide - References

Trejo, H.E., et al. FASEB J. 24(2):374-382(2010)Sugiyama, N., et al. Mol. Cell Proteomics 6(6):1103-1109(2007)Ewing, R.M., et al. Mol. Syst. Biol. 3, 89 (2007) :Olsen, J.V., et al. Cell 127(3):635-648(2006)Beausoleil, S.A., et al. Nat. Biotechnol. 24(10):1285-1292(2006)Lim, J., et al. Cell 125(4):801-814(2006)