

KLC2 Antibody (N-term) Blocking peptide
Synthetic peptide
Catalog # BP12241a**Specification**

KLC2 Antibody (N-term) Blocking peptide - Product InformationPrimary Accession [Q9H0B6](#)**KLC2 Antibody (N-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 (N-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 (N-term) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

KLC2 Antibody (N-term) Blocking peptide - Images

KLC2 Antibody (N-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 (Rahman et al., 1998 [PubMed 9624122]).

KLC2 Antibody (N-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) Olsen, J.V., et al. Cell 127(3):635-648(2006)