

KLC1 Antibody (Center) Blocking PeptideSynthetic peptide
Catalog # BP8637c**Specification**

KLC1 Antibody (Center) Blocking Peptide - Product InformationPrimary Accession [Q07866](#)**KLC1 Antibody (Center) Blocking Peptide - Additional Information**

Gene ID 3831

Other Names

Kinesin light chain 1, KLC 1, KLC1, KLC, KNS2

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP8637c](#) was selected from the Center region of human KLC1. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

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.

KLC1 Antibody (Center) Blocking Peptide - Protein Information

Name KLC1

Synonyms KLC, KNS2

Function

Kinesin is a microtubule-associated force-producing protein that may play a role in organelle transport (PubMed: <http://www.uniprot.org/citations/21385839> target="_blank">21385839). The light chain may function in coupling of cargo to the heavy chain or in the modulation of its ATPase activity (By similarity).

Cellular Location

Cell projection, growth cone {ECO:0000250|UniProtKB:P37285}. Cytoplasmic vesicle. Cytoplasm, cytoskeleton

Tissue Location

Found in a variety of tissues. Mostly abundant in brain and spine.

KLC1 Antibody (Center) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

KLC1 Antibody (Center) Blocking Peptide - Images

KLC1 Antibody (Center) Blocking Peptide - Background

Kinesin is a microtubule-associated force-producing protein that may play a role in organelle transport. The light chain may function in coupling of cargo to the heavy chain or in the modulation of its ATPase activity.

KLC1 Antibody (Center) Blocking Peptide - References

Chernajovsky, Y., et.al., DNA Cell Biol. 15 (11), 965-974 (1996) Gyoeva, F.K., et.al., J. Cell. Sci. 113 (PT 11), 2047-2054 (2000)

KLC1 Antibody (Center) Blocking Peptide - Citations

- [Alterations in axonal transport motor proteins in sporadic and experimental Parkinson's disease.](#)