

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

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**KLC1 Antibody (Center) Blocking Peptide - Product Information**Primary 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 [BP8637c](#) 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</a>). 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.](#)