

**CLTA Antibody (Center) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP9008c****Specification**

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**CLTA Antibody (Center) Blocking Peptide - Product Information**Primary Accession [P09496](#)**CLTA Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 1211**Other Names**

Clathrin light chain A, Lca, CLTA

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody [AP9008c](/products/AP9008c) was selected from the Center region of human CLTA. 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.

**CLTA Antibody (Center) Blocking Peptide - Protein Information****Name** CLTA**Function**

Clathrin is the major protein of the polyhedral coat of coated pits and vesicles. Acts as a component of the TACC3/ch- TOG/clathrin complex proposed to contribute to stabilization of kinetochore fibers of the mitotic spindle by acting as inter- microtubule bridge (PubMed:[15858577](http://www.uniprot.org/citations/15858577), PubMed:[21297582](http://www.uniprot.org/citations/21297582)).

**Cellular Location**

Cytoplasmic vesicle membrane; Peripheral membrane protein; Cytoplasmic side. Membrane, coated pit; Peripheral membrane protein; Cytoplasmic side. Cytoplasm, cytoskeleton, spindle Note=Cytoplasmic face of coated pits and vesicles. In complex with TACC3 and CKAP5 (forming the TACC3/ch-TOG/clathrin complex) localized to inter-microtubule bridges in mitotic spindles.

## **CLTA Antibody (Center) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

## **CLTA Antibody (Center) Blocking Peptide - Images**

## **CLTA Antibody (Center) Blocking Peptide - Background**

Clathrin is a large, soluble protein composed of heavy and light chains. It functions as the main structural component of the lattice-type cytoplasmic face of coated pits and vesicles which entrap specific macromolecules during receptor-mediated endocytosis. CLTA is one of two clathrin light chain proteins which are believed to function as regulatory elements.

## **CLTA Antibody (Center) Blocking Peptide - References**

Wong,D.H., et.al., J. Neurosci. 10 (9), 3025-3031 (1990)Nathke,l., et.al., J. Biol. Chem. 265 (30), 18621-18627 (1990)