

**CLTC Antibody (Center) Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP5911c****Specification**

---

**CLTC Antibody (Center) Blocking peptide - Product Information**

Primary Accession [Q00610](#)  
Other Accession [NP\\_004850.1](#)

**CLTC Antibody (Center) Blocking peptide - Additional Information**

**Gene ID** 1213

**Other Names**

Clathrin heavy chain 1, Clathrin heavy chain on chromosome 17, CLH-17, CLTC, CLH17, CLTCL2, KIAA0034

**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.

**CLTC Antibody (Center) Blocking peptide - Protein Information**

**Name** CLH1

**Function**

Clathrin is the major protein of the polyhedral coat of coated pits and vesicles. Two different adapter protein complexes link the clathrin lattice either to the plasma membrane or to the trans-Golgi network. 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: [16968737](http://www.uniprot.org/citations/16968737)), (PubMed: [21297582](http://www.uniprot.org/citations/21297582)). The TACC3/ch-TOG/clathrin complex is required for the maintenance of kinetochore fiber tension (PubMed: [23532825](http://www.uniprot.org/citations/23532825)). Plays a role in early autophagosome formation (PubMed: [20639872](http://www.uniprot.org/citations/20639872)). Interaction with DNAJC6 mediates the recruitment of HSPA8 to the clathrin lattice and creates local destabilization of the lattice promoting uncoating (By similarity).

**Cellular Location**

Cytoplasmic vesicle membrane; Peripheral membrane protein; Cytoplasmic side. Membrane,

coated pit; Peripheral membrane protein; Cytoplasmic side. Melanosome. Cytoplasm, cytoskeleton, spindle. Note=Cytoplasmic face of coated pits and vesicles. Identified by mass spectrometry in melanosome fractions from stage I to stage IV. In complex with TACC3 and CKAP5 (forming the TACC3/ch-TOG/clathrin complex) localized to inter-microtubule bridges in mitotic spindles.

#### **CLTC Antibody (Center) Blocking peptide - Protocols**

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

- [Blocking Peptides](#)

#### **CLTC Antibody (Center) Blocking peptide - Images**