

**CPLX3 Antibody (Center) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP10652c****Specification**

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**CPLX3 Antibody (Center) Blocking Peptide - Product Information**

Primary Accession [Q8WVH0](#)  
Other Accession [NP\\_001025176.1](#)

**CPLX3 Antibody (Center) Blocking Peptide - Additional Information**

**Gene ID** 594855

**Other Names**

Complexin-3, Complexin III, CPX III, CPLX3

**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.

**CPLX3 Antibody (Center) Blocking Peptide - Protein Information**

**Name** CPLX3

**Function**

Complexin that regulates SNARE protein complex-mediated synaptic vesicle fusion (By similarity). Required for the maintenance of synaptic ultrastructure in the adult retina (By similarity). Positively regulates synaptic transmission through synaptic vesicle availability and exocytosis of neurotransmitters at photoreceptor ribbon synapses in the retina (By similarity). Suppresses tonic photoreceptor activity and baseline 'noise' by suppression of Ca(2+) vesicle tonic release and the facilitation of evoked synchronous and asynchronous Ca(2+) vesicle release (By similarity).

**Cellular Location**

Synapse {ECO:0000250|UniProtKB:Q8R1B5}. Cell membrane; Lipid-anchor {ECO:0000250|UniProtKB:Q8R1B5}. Note=Enriched at the synaptic terminal (By similarity). Localized at glycinergic synaptic contacts of All amacrine cells with OFF cone bipolar cells in the OFF sublamina of the retina inner nuclear layer (By similarity) {ECO:0000250|UniProtKB:Q8R1B5}

**CPLX3 Antibody (Center) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

#### **CPLX3 Antibody (Center) Blocking Peptide - Images**

#### **CPLX3 Antibody (Center) Blocking Peptide - Background**

Positively regulates a late step in synaptic vesicle exocytosis (By similarity).

#### **CPLX3 Antibody (Center) Blocking Peptide - References**

Newton-Cheh, C., et al. Nat. Genet. (2009) In press :Levy, D., et al. Nat. Genet. (2009) In press  
:Reim, K., et al. J. Cell Biol. 169(4):669-680(2005)Ohira, M., et al. Oncogene  
22(35):5525-5536(2003)