

CABP4 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP17350b**Specification**

CABP4 Antibody (C-term) Blocking Peptide - Product Information

Primary Accession [P57796](#)

CABP4 Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 57010

Other Names

Calcium-binding protein 4, CaBP4, CABP4

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.

CABP4 Antibody (C-term) Blocking Peptide - Protein Information

Name CABP4

Function

Involved in normal synaptic function through regulation of Ca(2+) influx and neurotransmitter release in photoreceptor synaptic terminals and in auditory transmission. Modulator of CACNA1D and CACNA1F, suppressing the calcium-dependent inactivation and shifting the activation range to more hyperpolarized voltages (By similarity).

Cellular Location

Cytoplasm. Presynapse {ECO:0000250|UniProtKB:Q8VHC5}. Note=Found in rod spherules and cone pedicles of the presynapses from both types of photoreceptors {ECO:0000250|UniProtKB:Q8VHC5}

Tissue Location

Expressed in retina and in the inner hair cells (IHC) of the cochlea

CABP4 Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

CABP4 Antibody (C-term) Blocking Peptide - Images

CABP4 Antibody (C-term) Blocking Peptide - Background

This gene encodes a member of the CABP family of calciumbinding protein characterized by four EF-hand motifs. Mutations in this gene are associated with congenital stationary night blindness type 2B.

CABP4 Antibody (C-term) Blocking Peptide - References

Aldahmesh, M.A., et al. Mol. Vis. 16, 207-212 (2010) ;Littink, K.W., et al. Invest. Ophthalmol. Vis. Sci. 50(5):2344-2350(2009)Zeit, C., et al. Am. J. Hum. Genet. 79(4):657-667(2006)Taylor, T.D., et al. Nature 440(7083):497-500(2006)Haeseleer, F., et al. Nat. Neurosci. 7(10):1079-1087(2004)