

CABP5 Antibody (N-term) Blocking peptide
Synthetic peptide
Catalog # BP13491a**Specification**

CABP5 Antibody (N-term) Blocking peptide - Product InformationPrimary Accession [Q9NP86](#)**CABP5 Antibody (N-term) Blocking peptide - Additional Information****Gene ID** 56344**Other Names**

Calcium-binding protein 5, CaBP5, CABP5, CABP3

Target/Specificity

The synthetic peptide sequence used to generate the antibody AP13491a was selected from the N-term region of CABP5. 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.

CABP5 Antibody (N-term) Blocking peptide - Protein Information**Name** CABP5**Synonyms** CABP3**Function**

Inhibits calcium-dependent inactivation of L-type calcium channel and shifts voltage dependence of activation to more depolarized membrane potentials (By similarity). Involved in the transmission of light signals (By similarity). May positively regulate neurotransmitter vesicle endocytosis and exocytosis in a salt-dependent manner (By similarity). May play a role in the extension and network organization of neurites (By similarity).

Cellular Location

Cytoplasm.

Tissue Location

Retina..

CABP5 Antibody (N-term) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

CABP5 Antibody (N-term) Blocking peptide - Images**CABP5 Antibody (N-term) Blocking peptide - Background**

The product of this gene belongs to a subfamily of calciumbinding proteins, which share similarity to calmodulin. Calciumbinding proteins are an important component of calcium mediatedcellular signal transduction. Expression of this gene isretina-specific. The mouse homolog of this protein has been shownto express in the inner nuclear layer of the retina, suggested itsrole in neuronal functioning. The specific function of this gene isunknown.

CABP5 Antibody (N-term) Blocking peptide - References

Haeseleer, F., et al. Biochem. Biophys. Res. Commun. 290(2):615-623(2002)Haeseleer, F., et al. J. Biol. Chem. 275(2):1247-1260(2000)