

CAMK2N1 Antibody (C-term) Blocking peptide
Synthetic peptide
Catalog # BP10235b**Specification**

CAMK2N1 Antibody (C-term) Blocking peptide - Product Information

Primary Accession [Q7Z7J9](#)
Other Accession [NP_061054.2](#)

CAMK2N1 Antibody (C-term) Blocking peptide - Additional Information

Gene ID 55450

Other Names

Calcium/calmodulin-dependent protein kinase II inhibitor 1, CaMKII inhibitory protein alpha, CaMKIIN-alpha, CAMK2N1

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.

CAMK2N1 Antibody (C-term) Blocking peptide - Protein Information

Name CAMK2N1

Function

Potent and specific inhibitor of CaM-kinase II (CAMK2) (By similarity). Plays a role in the maintenance of long-term retrieval- induced memory in response to contextual fear (By similarity). Modulates blood pressure and vascular reactivity via regulation of CAMK2 activity in addition to regulation of left ventricular mass (By similarity). Mediates the NLRP3 inflammasome in cardiomyocytes via acting as an inhibitor of the MAPK14/p38 and MAPK8/JNK pathways, thereby regulating ventricular remodeling and cardiac rhythm post- myocardial infarction (By similarity). Negatively effects insulin sensitivity and promotes lipid formation in adipose tissues independent of CAMK2 signaling (By similarity).

Cellular Location

Synapse {ECO:0000250|UniProtKB:Q6QWF9}. Cell projection, dendrite {ECO:0000250|UniProtKB:Q9JI15}. Postsynaptic density {ECO:0000250|UniProtKB:Q6QWF9}

CAMK2N1 Antibody (C-term) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

CAMK2N1 Antibody (C-term) Blocking peptide - Images

CAMK2N1 Antibody (C-term) Blocking peptide - References

Wang, C., et al. J. Biol. Chem. 283(17):11565-11574(2008) Meng, F., et al. Brain Res. 967 (1-2), 161-169 (2003) :Sedelnikova, A., et al. Int. J. Dev. Neurosci. 20 (3-5), 237-246 (2002) :