

DCAMKL2 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP7126a**Specification**

DCAMKL2 Antibody (N-term) Blocking Peptide - Product InformationPrimary Accession [Q8N568](#)**DCAMKL2 Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 166614**Other Names**

Serine/threonine-protein kinase DCLK2, CaMK-like CREB regulatory kinase 2, CL2, CLICK-II, CLICK2, Doublecortin domain-containing protein 3B, Doublecortin-like and CAM kinase-like 2, Doublecortin-like kinase 2, DCLK2, DCAMKL2, DCDC3B, DCK2

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP7126a](/product/products/AP7126a) was selected from the N-term region of human DCAMKL2. 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.

DCAMKL2 Antibody (N-term) Blocking Peptide - Protein Information**Name** DCLK2**Synonyms** DCAMKL2, DCDC3B, DCK2**Function**

Protein kinase with a significantly reduced C(a2+)/CAM affinity and dependence compared to other members of the CaMK family. May play a role in the down-regulation of CRE-dependent gene activation probably by phosphorylation of the CREB coactivator CRTC2/TORC2 and the resulting retention of TORC2 in the cytoplasm (By similarity).

Cellular Location

Cytoplasm, cytoskeleton. Note=Colocalizes with microtubules.

Tissue Location

Expressed in the brain, heart and eyes.

DCAMKL2 Antibody (N-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

DCAMKL2 Antibody (N-term) Blocking Peptide - Images**DCAMKL2 Antibody (N-term) Blocking Peptide - Background**

DCAMKL2 is a protein kinase containing an N-terminal doublecortin domain highly homologous to DCX, a microtubule-associated protein with essential participation in the development of the mammalian cerebral cortex. As with other DCAMKL family members, DCAMKL2 possesses microtubule binding activity and, together with DCX, is thought to form a signaling pathway that regulates microtubules in migrating neurons.

DCAMKL2 Antibody (N-term) Blocking Peptide - References

Strausberg RL, et al., Proc. Natl. Acad. Sci. U.S.A. 99(26):16899-16903 (2002).