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DCAMKL3 Antibody (Center) Blocking Peptide

Synthetic peptide
Catalog # BP1975c

Specification

DCAMKL3 Antibody (Center) Blocking Peptide - Product Information

Primary Accession Q9C098

DCAMKL3 Antibody (Center) Blocking Peptide - Additional Information

Gene ID 85443

Other Names
Serine/threonine-protein kinase DCLK3, Doublecortin domain-containing protein 3C, Doublecortin-like and CAM kinase-like 3, Doublecortin-like kinase 3, DCLK3, DCAMKL3, DCDC3C, KIAA1765

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP1975c was selected from the Center region of human DCAMKL3. 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.

DCAMKL3 Antibody (Center) Blocking Peptide - Protein Information

Name DCLK3

Synonyms DCAMKL3, DCDC3C, KIAA1765

Cellular Location
Cytoplasm. Nucleus.

DCAMKL3 Antibody (Center) Blocking Peptide - Protocols

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

- Blocking Peptides

DCAMKL3 Antibody (Center) Blocking Peptide - Images

DCAMKL3 Antibody (Center) Blocking Peptide - Background

A predominant CaMK subfamily, the CaMKI/CaMKIV family, is thought to play a significant role in the central nervous system. The CaMKIV-related kinases, doublecortin and CaM kinase-Like (DCAMKL)1, DCAMKL2, and DCAMKL3, contain kinase domains with an intermediate homology not only to CaMKI/CaMKIV but also to CaMKII. The DCAMKL proteins are highly expressed in the central nervous system of mice, in a neuron-specific fashion. DCAMKL1 lacks the doublecortin-like domain (Dx). In contrast, DCAMKL2 contains a full N-terminal Dx, while possesses only a partial and dysfunctional Dx. Despite a large similarity in the kinase domain, the DCAMKL proteins have an impact on CRE-dependent gene expression distinct from that of the related CaMKI/CaMKIV and CaMKII subfamilies.

DCAMKL3 Antibody (Center) Blocking Peptide - References

Ohmae, S., et al. J Biol Chem. 2006. 281(29):20427-39.