DCLK2 blocking peptide (CDBP5363)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	This gene encodes a member of the protein kinase superfamily and the doublecortin family. The protein encoded by this gene contains two N-terminal doublecortin domains, which bind microtubules and regulate microtubule polymerization, a C-terminal serine/threonine protein kinase domain, which shows substantial homology to Ca2+/calmodulin-dependent protein kinase, and a serine/proline-rich domain in between the doublecortin and the protein kinase domains, which mediates multiple protein-protein interactions. The microtubule-polymerizing activity of the encoded protein is independent of its protein kinase activity. Mouse studies show that the DCX gene, another family member, and this gene share function in the establishment of hippocampal organization and that their absence results in a severe epileptic phenotype and lethality, as described in human patients with lissencephaly. Multiple alternatively spliced transcript variants have been identified. [provided by RefSeq, Sep 2010]
Conjugate	Unconjugated
Applications	Used as a blocking peptide in immunoblotting applications.
Format	Liquid
Concentration	200 μg/mL
Size	0.05 mg
Preservative	None
Storage	-20°C

GENE INFORMATION

Gene Name	DCLK2 doublecortin-like kinase 2 [Homo sapiens (human)]
Official Symbol	DCLK2

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Synonyms	DCLK2; doublecortin-like kinase 2; CL2; DCK2; CLIK2; DCDC3; CLICK2; DCDC3B; DCAMKL2; CLICK-II; serine/threonine-protein kinase DCLK2; CaMK-like CREB regulatory kinase 2; doublecortin and CaM kinase-like 2; doublecortin-like and CAM kinase-like 2; doublecortin domain-containing protein 3B
Entrez Gene ID	166614
mRNA Refseq	NM_001040260
Protein Refseq	NP_001035350
UniProt ID	Q8N568
Function	ATP binding; protein serine/threonine kinase activity

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