Product Datasheet

DCAMKL1 Rabbit mAb

Catalog No: #49522

Package Size: #49522-1 50ul #49522-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	DCAMKL1 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	JA11-03
Purification	ProA affinity purified
Applications	WB, IHC
Species Reactivity	Hu, Ms, Rt
Immunogen Description	recombinant protein
Other Names	Calcium/calmodulin-dependent protein kinase type I-like CPG16 antibody CL1 antibody CLICK1 antibody Cpg16 antibody DCDC3A antibody Dcl antibody Dclk antibody Dclk1 antibody DCLK1_HUMAN antibody Doublecortin domain-containing protein 3A antibody Doublecortin-like and CAM kinase-like 1 antibody Doublecortin-like kinase 1 antibody KIAA0369 antibody Serine/threonine-protein kinase DCAMKL1 antibody Serine/threonine-protein kinase DCLK1 antibody
Accession No.	Swiss-Prot#:O15075
Uniprot	O15075
GeneID	9201;
Calculated MW	82 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

Application Details

WB: 1:500-1:1,000 IHC: 1:50-1:200

Background

Lissencephaly (smooth brain) is an abnormality of brain development characterized by incomplete neuronal migration and a smooth cerebral surface, manifesting as severe mental retardation. Genetic analysis has identified two proteins that are mutated in some cases of lissencephaly, designated lissencephaly-1 protein (LIS1) and doublecortin. LIS1 displays sequence homology to β-subunits of heterotrimeric G proteins, and doublecortin contains a consensus Abl phosphorylation site. In addition, the DCAMKL1 (doublecortinlike and CAM kinase-like 1) protein shows homology to doublecortin. All three proteins are highly expressed in developing brain and may function together to regulate microtubules involved in neuronal migration. The DCAMKL1 protein encodes a functional kinase that is capable of phosphorylating myelin basic protein and itself, but its kinase activity does not appear to affect its microtubule polymerization activity.

References

Note: This product is for in vitro research use only