## DCAMKL1 Rabbit Monoclonal Antibody

## CAB4372

Size:

**Product Information** 

20uL, 50uL, 100uL, 200uL

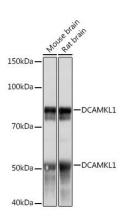


This gene encodes a member of the protein kinase superfamily and the doublecortin family. The protein encoded by this gene contains two N-terminal doublecortin domains, which bind

microtubules and regulate microtubule polymerization, a C-terminal serine/threonine protein

## kinase domain, which shows substantial homology to Ca2+/calmodulin-dependent protein **Observed MW:** 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 50KDa/82KDa activity of the encoded protein is independent of its protein kinase activity. The encoded **Calculated MW:** protein is involved in several different cellular processes, including neuronal migration, retrograde transport, neuronal apoptosis and neurogenesis. This gene is up-regulated by brain-82kDa derived neurotrophic factor and associated with memory and general cognitive abilities. Multiple transcript variants generated by two alternative promoter usage and alternative **Applications:** splicing have been reported, but the full-length nature and biological validity of some variants have not been defined. These variants encode different isoforms, which are differentially WB expressed and have different kinase activities.[provided by RefSeq, Sep 2010] **Reactivity:** Immunogen information Human, Mouse, Rat Gene ID: 9201 **Antibody Information** Uniprot O15075 **Recommended dilutions:** WB 1:500 - 1:2000 Synonyms: Source: CL1; CLICK1; DCAMKL1; DCDC3A; DCLK Rabbit **Isotype:** Immunogen: lgG A synthesized peptide derived from human DCAMKL1 Storage: **Purification:** Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% Affinity purification sodium azide, 0.05% BSA, 50% glycerol, pH7.3.

**Protein Background** 



Western blot - DCAMKL1 Rabbit mAb (CAB4372)