

DCLK2 monoclonal antibody

Catalog: MB23372

Host: Mouse

Reactivity: Human

BackGround:

This gene encodes a member of the protein kinase super-family 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.

Product:

Purified antibody in PBS with 0.05% sodium azide

Molecular Weight:

83.6kDa

Swiss-Prot:

Q8N568

Purification&Purity:

The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

IHC:1/200 - 1/1000 FC:1/200 - 1/400

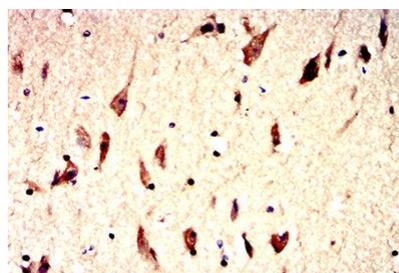
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

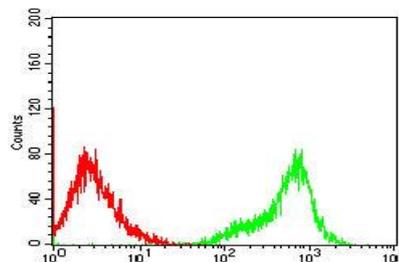
Isotype:

Mouse IgG2a

DATA:



Immunohistochemical analysis of paraffin-embedded human brain tissues using DCLK2 mouse mAb with DAB staining.



Flow cytometric analysis of U937 cells using DCLK2 mouse mAb (green) and negative control (red).

Note:

For research use only, not for use in diagnostic procedure.

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