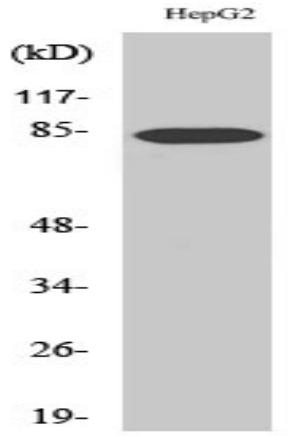
Best Tools for immunology Research

DCAMKL2 Polyclonal Antibody

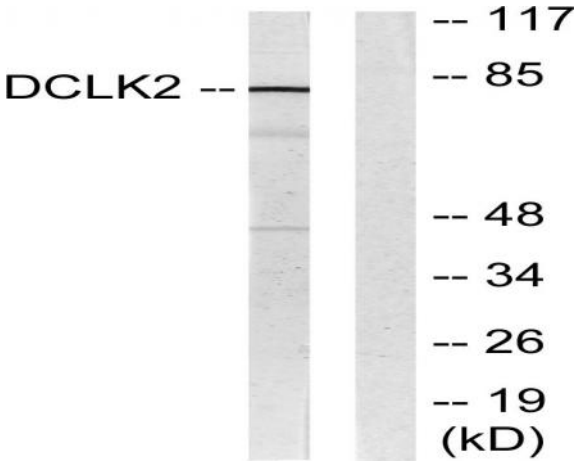
Catalog No :	YT1298
Reactivity :	Human;Mouse
Applications :	WB;IF;ELISA
Target :	DCAMKL2
Gene Name :	DCLK2
Protein Name :	Serine/threonine-protein kinase DCLK2
Human Gene Id :	166614
Human Swiss Prot No :	Q8N568
Mouse Gene Id :	70762
Mouse Swiss Prot No :	Q6PGN3
Immunogen :	The antiserum was produced against synthesized peptide derived from human DCLK2. AA range:1-50
Specificity :	DCAMKL2 Polyclonal Antibody detects endogenous levels of DCAMKL2 protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. IF 1:200 - 1:1000. ELISA: 1:10000. Not yet tested in other applications.
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band :	83kD
Background :	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 alterna
Function :	catalytic activity:ATP + a protein = ADP + a phosphoprotein.,similarity:Belongs to the protein kinase superfamily.,similarity:Belongs to the protein kinase superfamily. CAMK Ser/Thr protein kinase family. CaMK subfamily.,similarity:Contains 1 protein kinase domain.,similarity:Contains 2 doublecortin domains.,
Subcellular Location :	Cytoplasm, cytoskeleton. Colocalizes with microtubules. .
Expression :	Expressed in the brain, heart and eyes.
Sort :	5025
No4 :	1
Host :	Rabbit
Modifications :	Unmodified

Products Images



Western Blot analysis of various cells using DCAMKL2 Polyclonal Antibody



Western blot analysis of lysates from HepG2 cells, using DCLK2 Antibody. The lane on the right is blocked with the synthesized peptide.