

For Research Use Only

DCDC2 Polyclonal antibody

Catalog Number: 26978-1-AP

Featured Product

3 Publications



Basic Information

Catalog Number:

26978-1-AP

Size:

150ul, Concentration: 600 ug/ml by Nanodrop and 333 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG25577

GenBank Accession Number:

BC050704

GeneID (NCBI):

51473

UNIPROT ID:

Q9UHGO

Full Name:

doublecortin domain containing 2

Calculated MW:

476 aa, 53 kDa

Observed MW:

52 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB: 1:500-1:2000

Applications

Tested Applications:

WB, ELISA

Cited Applications:

WB, IHC, IF

Species Specificity:

human, mouse

Cited Species:

human, mouse, rat

Positive Controls:

WB: mouse placenta tissue, HepG2 cells

Background Information

DCDC2 (Doublecortin domain-containing protein 2), also known as KIAA1154. DCDC2 is expressed in the central nervous system of adults and fetuses, especially in the olfactory cortex, inferior temporal cortex, medial temporal cortex, hypothalamus, amygdala and hippocampus. DCDC2 protein contains two dicortical protein domains that bind to microtubules and enhance microtubule polymerization, which may play a role in neuronal migration and affect the signal transduction of primary cilia. In addition, DCDC2 also plays a role in inhibiting classical WNT signaling. DCDC2 may affect the development and function of the brain by affecting the migration of neurons and the signal conduction of primary cilia, and then it is related to reading ability (PMID: 21457949). The molecular weight of DCDC2 is 52 kDa, it also has another isoform with a molecular weight of 25 kDa.

Notable Publications

Author	Pubmed ID	Journal	Application
Jing Zhao	38756773	Front Immunol	IF
Qing-Qing Liu	38658618	Sci Rep	WB, IHC, IF
Hyun Jun Jung	37720991	Physiol Genomics	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

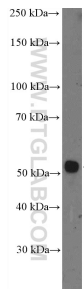
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

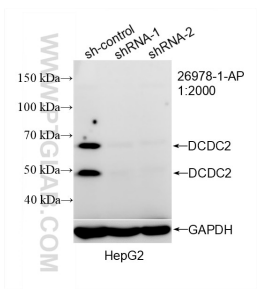
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



mouse placenta tissue were subjected to SDS PAGE followed by western blot with 26978-1-AP (DCDC2 Antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



WB result of DCDC2 antibody (26978-1-AP; 1:2000; incubated at room temperature for 1.5 hours) with sh-Control and sh-DCDC2 transfected HepG2 cells.