

For Research Use Only

# DCLK2 Polyclonal antibody

Catalog Number: 25450-1-AP



## Basic Information

**Catalog Number:**

25450-1-AP

**Size:**

150ul , Concentration: 260 ug/ml by Nanodrop;

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG22142

**GenBank Accession Number:**

BC032726

**GeneID (NCBI):**

166614

**UNIPROT ID:**

Q8N568

**Full Name:**

doublecortin-like kinase 2

**Calculated MW:**

766 aa, 84 kDa

**Observed MW:**

83 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:500-1:3000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IF/ICC 1:50-1:500

## Applications

**Tested Applications:**

WB, IF/ICC, IP, ELISA

**Species Specificity:**

human, mouse, rat

**Positive Controls:**

WB : mouse brain tissue, rat brain tissue

IP : mouse brain tissue,

IF/ICC : HepG2 cells,

## Background Information

DCLK2 belongs to the protein kinase superfamily, contains two N-terminal doublecortin domains, a C-terminal serine/threonine protein kinase domain, and a serine/proline-rich domain in between the doublecortin and the protein kinase domains. DCLK2 is expressed in the brain, heart and eyes (PMID: 18075264).

## Storage

**Storage:**

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

**Storage Buffer:**

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

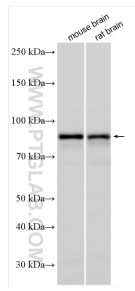
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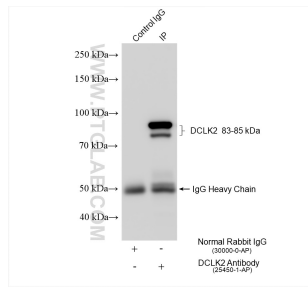
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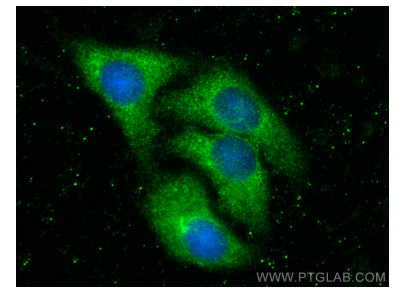
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 25450-1-AP (DCLK2 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



IP result of anti-DCLK2 (IP:25450-1-AP, 4 $\mu$ g; Detection:25450-1-AP 1:3000) with mouse brain tissue lysate 2100  $\mu$ g.



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using DCLK2 antibody (25450-1-AP) at dilution of 1:200 and Multi-rAb CoraLite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002).