

For Research Use Only

# CC2D1B Polyclonal antibody

Catalog Number: 20774-1-AP

Featured Product

5 Publications



## Basic Information

### Catalog Number:

20774-1-AP

### Size:

150ul, Concentration: 600 ug/ml by Nanodrop and 300 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG14767

### GenBank Accession Number:

BC007912

### GeneID (NCBI):

200014

### UNIPROT ID:

Q5T0F9

### Full Name:

coiled-coil and C2 domain containing 1B

### Calculated MW:

858 aa, 94 kDa

### Observed MW:

120 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:1000-1:4000

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

## Applications

### Tested Applications:

WB, IP, ELISA

### Cited Applications:

WB, IF

### Species Specificity:

human, mouse, rat

### Cited Species:

human, mouse, rat

### Positive Controls:

WB: mouse brain tissue, human placenta tissue, mouse kidney tissue, SH-SY5Y cells

IP: mouse brain tissue,

## Background Information

CC2D1B/Freud2 and CC2D1A/Freud1 are two homologs belonging to the evolutionary conserved Lgd protein family that is involved in endosomal trafficking. CC2D1B has been identified as the novel repressor of postsynaptic 5-HT1A expression. The predicted molecular weight of CC2D1B is 89 kDa, but the observed molecular weight is around 120 kDa, which may be caused by post-translational modification. This antibody is specific to CC2D1B, which has been confirmed by siRNA test. (19423080, 2672064)

## Notable Publications

Author	Pubmed ID	Journal	Application
Jenica Acheta	35592111	Front Mol Neurosci	WB
Belin Sophie	31379499	Front Mol Neurosci	WB, IF
Nadja Drusenheimer	26720614	PLoS Genet	WB, IF

## 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

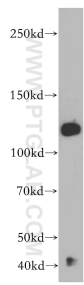
For technical support and original validation data for this product please contact:

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

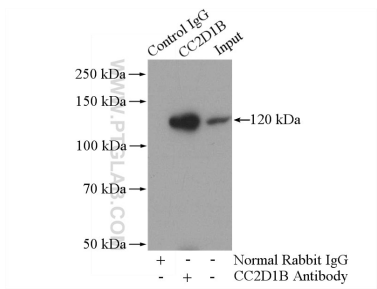
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Selected Validation Data



mouse brain tissue were subjected to SDS PAGE followed by western blot with 20774-1-AP (CC2D1B antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



IP result of anti-CC2D1B (IP:20774-1-AP, 4ug; Detection:20774-1-AP 1:500) with mouse brain tissue lysate 2560ug.