

For Research Use Only

# CC2D1B Polyclonal antibody

Catalog Number: 20774-1-AP

Featured Product

4 Publications



## Basic Information

**Catalog Number:**

20774-1-AP

**Size:**

600 µg/ml

**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 µg for 1.0-3.0 mg of total protein lysate

## Applications

**Tested Applications:**

IP, WB, ELISA

**Cited Applications:**

WB, IF

**Species Specificity:**

human, mouse, rat

**Cited Species:**

human, rat, mouse

**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-HT<sub>1A</sub> 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

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

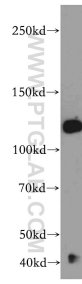
T: 4006900926

E: Proteintech-CN@ptglab.com

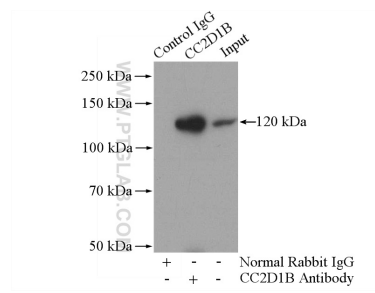
W: ptgcn.com

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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.