

For Research Use Only

# CC2D1B Polyclonal antibody

Catalog Number: 20774-1-AP

Featured Product

4 Publications



## Basic Information

<b>Catalog Number:</b> 20774-1-AP	<b>GenBank Accession Number:</b> BC007912	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 600 µg/ml by Nanodrop and 300 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 200014	<b>Recommended Dilutions:</b> WB 1:1000-1:4000 IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate
<b>Source:</b> Rabbit	<b>Full Name:</b> coiled-coil and C2 domain containing 1B	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 858 aa, 94 kDa	
<b>Immunogen Catalog Number:</b> AG14767	<b>Observed MW:</b> 120 kDa	

## Applications

**Tested Applications:**  
IP, WB, ELISA

**Cited Applications:**  
IF, WB

**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-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

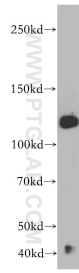
For technical support and original validation data for this product please contact:

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

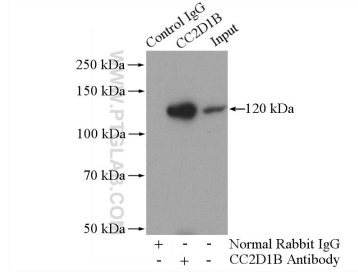
E: proteintech@ptglab.com  
W: ptglab.com

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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.