

For Research Use Only

# CRMP4 Polyclonal antibody

Catalog Number: 13661-1-AP

Featured Product

4 Publications



## Basic Information

<b>Catalog Number:</b> 13661-1-AP	<b>GenBank Accession Number:</b> BC039006	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 350 µg/ml by Nanodrop and 233 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 1809	<b>Recommended Dilutions:</b> WB 1:1000-1:5000 IHC 1:20-1:200
<b>Source:</b> Rabbit	<b>Full Name:</b> dihydropyrimidinase-like 3	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 570 aa, 62 kDa	
<b>Immunogen Catalog Number:</b> AG457	<b>Observed MW:</b> 60-70 kDa	

## Applications

<b>Tested Applications:</b> IHC, WB, ELISA	<b>Positive Controls:</b>
<b>Cited Applications:</b> IF, IHC, WB	<b>WB :</b> mouse brain tissue, mouse cerebellum tissue, rat brain tissue
<b>Species Specificity:</b> human, mouse, rat	<b>IHC :</b> mouse brain tissue, human heart tissue
<b>Cited Species:</b> human, mouse	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## Background Information

DPYSL3(Dihydropyrimidinase-related protein 3) is also named as CRMP4, DRP3, ULIP, ULIP1 and belongs to the hydantoinase/dihydropyrimidinase subfamily. DPYSL3 is a developmentally regulated protein, strongly expressed in early embryonic post-mitotic neural cells, reaching a peak of expression around the first post-natal week. In the adult brain, DPYSL3 is present mainly in regions that retain neurogenesis. DPYSL3 protein is also found in synaptic sites at the adult neuromuscular junction where it may be involved in the maintenance of neuronal stability(PMID: 16135096). It has 2 isoforms produced by alternative splicing.

## Notable Publications

Author	Pubmed ID	Journal	Application
Yung-Shuen Lin	31233825	Neuropharmacology	WB
Yu-Fen Lin	33638112	Mol Neurobiol	WB
Changlin Li	30081723	Cancer Biol Ther	IF, IHC

## Storage

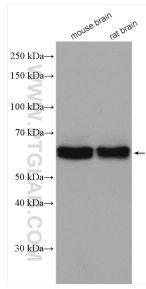
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

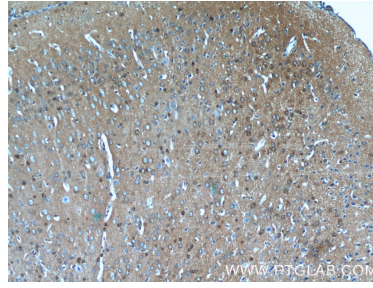
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

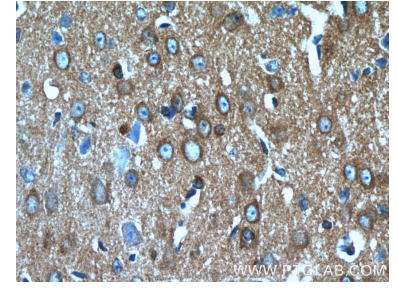
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 13661-1-AP (CRMP4 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 13661-1-AP (CRMP4 antibody at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 13661-1-AP (CRMP4 antibody at dilution of 1:50 (under 40x lens).