For Research Use Only

CRMP4 Polyclonal antibody

Catalog Number:13661-1-AP Featured Product 5 Publications

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Basic Information

Catalog Number:
13661-1-AP

Size:
150ul , Concentration: 350 ug/ml by Nanodrop and 233 ug/ml by Bradford method using BSA as the standard;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG4557

GenBank Accession Number:
BC039006

GeneID (NCBI):
1809

UNIPROT ID:
Q14195

Full Name:
dihydropyrimidinase-like 3

Calculated MW:
570 aa, 62 kDa

Observed MW:
60-70 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB 1:1000-1:5000
IHC 1:20-1:200

Applications

Tested Applications:
WB, IHC, ELISA

Cited Applications:
WB, IF, IHC

Species Specificity:
human, mouse, rat

Cited Species:
human, rat, mouse

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : mouse brain tissue, rat brain tissue

IHC : mouse brain tissue, human heart tissue

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

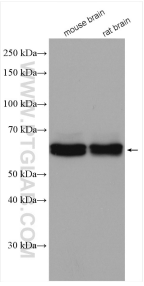
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

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

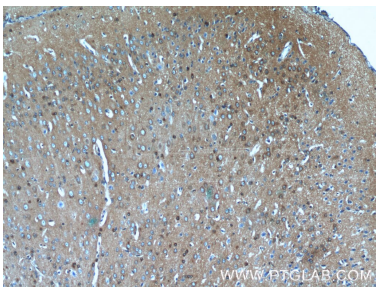
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

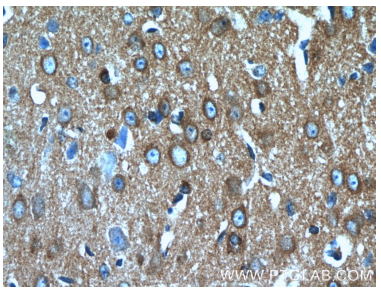
Selected Validation Data



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).