

For Research Use Only

CRMP2 Polyclonal antibody

Catalog Number: 14521-1-AP

3 Publications



Basic Information

Catalog Number:

14521-1-AP

Size:

150ul, Concentration: 400 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG5987

GenBank Accession Number:

BC067109

GeneID (NCBI):

1808

UNIPROT ID:

Q16555

Full Name:

dihydropyrimidinase-like 2

Calculated MW:

62 kDa

Observed MW:

62 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB: 1:500-1:2000

IHC: 1:50-1:500

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB, IF

Species Specificity:

human, mouse, rat

Cited Species:

human, rat

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, mouse heart tissue, rat heart tissue

IHC : human colon cancer tissue,

Background Information

Dihydropyrimidinase-like 2 (Dpysl2), a protein involved in neuronal differentiation and axonal guidance is found altered in various nervous system diseases (PMID:19524114). It is also named as CRMP2, ULIP2 and belongs to hydantoinase/dihydropyrimidinase subfamily. The phosphorylation of the particular portion carboxyl-terminal to the basic region of DPYSL2 may play an important role in regulating its activity, and may be involved in the formation of degenerating neurites in AD brain (PMID:10757975).

Notable Publications

Author	Pubmed ID	Journal	Application
Yi-Sheng Li	27127481	Neural Regen Res	WB
Jingjing Zhang	40239547	Ecotoxicol Environ Saf	WB
Jiaming Qiao	40128122	ACS Nano	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, pH7.3

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

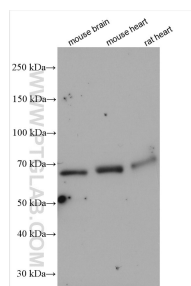
For technical support and original validation data for this product please contact:

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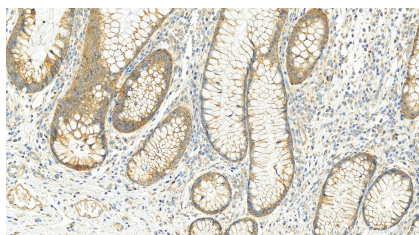
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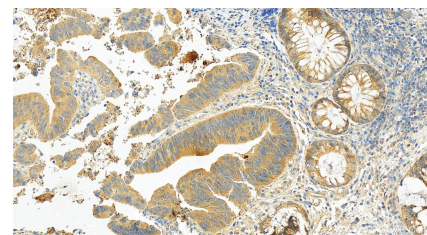
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 14521-1-AP (CRMP2 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 14521-1-AP (CRMP2 antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 14521-1-AP (CRMP2 antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).