

For Research Use Only

Phospho-CRMP2 (Thr514) Recombinant monoclonal antibody

Catalog Number: 87647-3-RR



Basic Information

Catalog Number:

87647-3-RR

Size:

100ul, Concentration: 1000 µg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_001386

GeneID (NCBI):

1808

UNIPROT ID:

Q16555

Full Name:

dihydropyrimidinase-like 2

Calculated MW:

62 kDa

Observed MW:

60-80 kDa

Purification Method:

Protein A purification

CloneNo.:

253147G10

Recommended Dilutions:

WB: 1:5000-1:50000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human, mouse

Positive Controls:

WB : mouse brain tissue, λ phosphatase treated mouse brain tissue

Background Information

Dihydropyrimidinase-like 2 (Dpysl2), a protein involved in neuronal differentiation and axonal guidance is found altered in various nervous system diseases. It is also named as CRMP2, ULIP2 and belongs to hydantoinase/dihydropyrimidinase subfamily. Phospho-CRMP2 (Thr514) refers to the phosphorylated form of Collapsin Response Mediator Protein 2 (CRMP2) at threonine residue 514. CRMP2 is a cytosolic phosphoprotein highly expressed in the nervous system that regulates microtubule dynamics, axonal growth, and neuronal polarity. (PMID: 27609071)

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

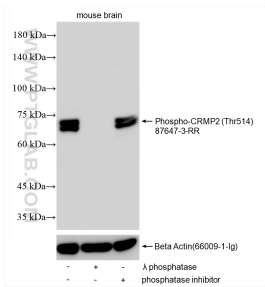
For technical support and original validation data for this product please contact:

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Selected Validation Data



Non-treated mouse brain tissue, phosphatase inhibitor treated mouse brain tissue and λ phosphatase treated mouse brain tissue were subjected to SDS PAGE followed by western blot with 87647-3-RR (Phospho-CRMP2 (Thr514) antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with Beta Actin (66009-1-Ig) antibody as a loading control.