

# Phospho-CRMP2/DPYSL2-T514 Rabbit pAb

Catalog No.: AP0821

## Basic Information

### Observed MW

69kDa

### Calculated MW

62kDa

### Category

Primary antibody

### Applications

ELISA, WB

### Cross-Reactivity

Human, Mouse, Rat

## Background

This gene encodes a member of the collapsin response mediator protein family. Collapsin response mediator proteins form homo- and hetero-tetramers and facilitate neuron guidance, growth and polarity. The encoded protein promotes microtubule assembly and is required for Sema3A-mediated growth cone collapse, and also plays a role in synaptic signaling through interactions with calcium channels. This gene has been implicated in multiple neurological disorders, and hyperphosphorylation of the encoded protein may play a key role in the development of Alzheimer's disease. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene.

## Recommended Dilutions

WB 1:500 - 1:2000

## Immunogen Information

### Gene ID

1808

### Swiss Prot

Q16555

### Immunogen

A synthetic phosphorylated peptide around T514 of human CRMP2/DPYSL2 (NP\_001377.1).

### Synonyms

DRP2; N2A3; CRMP2; DRP-2; ULIP2; CRMP-2; DHPRP2; ULIP-2; Phospho-CRMP2/DPYSL2-T514

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

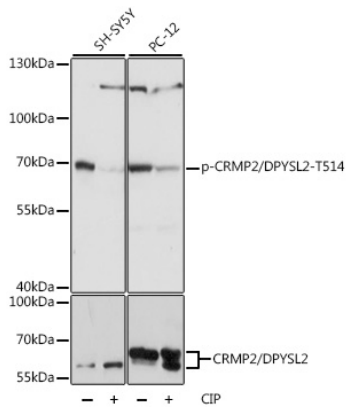
Affinity purification

### Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.01% thimerosal, 50% glycerol, pH7.3.

## Validation Data



Western blot analysis of various lysates using Phospho-CRMP2/DPYSL2-T514 Rabbit pAb (AP0821) at 1:1000 dilution or CRMP2/DPYSL2 antibody (A14570). SH-SY5Y cells were treated by CIP(20uL/400ul) at 37°C for 1 hour. PC-12 cells were treated by CIP(20uL/400ul) at 37°C for 1 hour. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% BSA. Detection: ECL Basic Kit (RM00020). Exposure time: 1s.