

# Phospho-DPYSL2-T514 Antibody kit

**Catalog No.:** RK04092

## Basic Information

**Observed MW**

69kDa

**Calculated MW**

62kDa

**Category**

Primary antibody

## Recommended Dilutions

**AP0821 WB** 1:500 - 1:2000**A14570 WB** 1:500 - 1:2000For more information please visit  
[www.abclonal.com](http://www.abclonal.com)

## 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.

## Contact

 | 400-999-6126 | [cn.market@abclonal.com.cn](mailto:cn.market@abclonal.com.cn) | [www.abclonal.com.cn](http://www.abclonal.com.cn)

## 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.

## Component

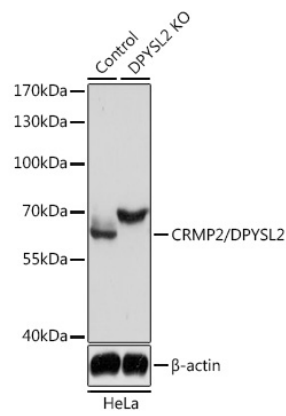
Catalog No.	Product Name	Applications	Cross-Reactivity
AP0821	Phospho-CRMP2/DPYSL2-T514 Rabbit pAb	WB, ELISA	Human, Mouse, Rat
A14570	[KO Validated] CRMP2/DPYSL2 Rabbit pAb	WB, IHC-P, ELISA	Human, Mouse, Rat

## Immunogen Information

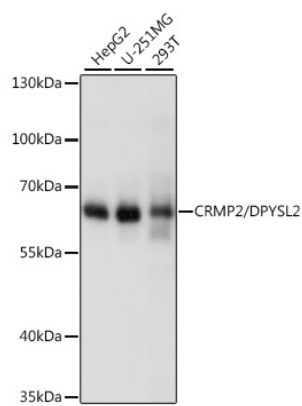
**Gene ID**  
1808**Swiss Prot**  
Q16555**Immunogen**Synthetic peptide. This information is considered to be commercially sensitive.  
Synthetic peptide. This information is considered to be commercially sensitive.**Synonyms**

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

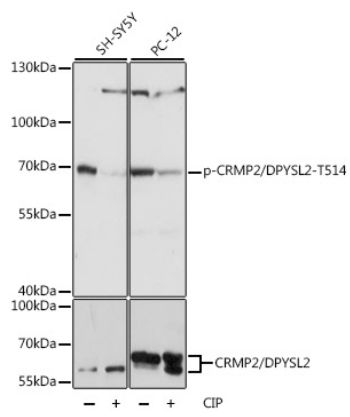
Validation Data



Western blot analysis of lysates from wild type (WT) and CRMP2/CRMP2/DPYSL2 knockout (KO) HeLa cells, using [KO Validated] CRMP2/DPYSL2 Rabbit pAb (A14570) at 1:3000 dilution.  
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25µg per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Basic Kit (RM00020).  
Exposure time: 5s.



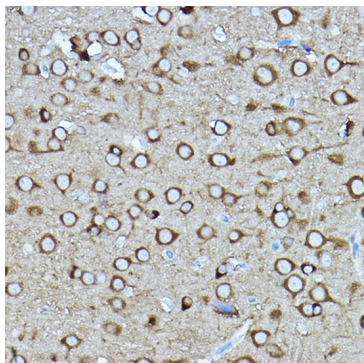
Western blot analysis of various lysates using [KO Validated] CRMP2/DPYSL2 Rabbit pAb (A14570) at 1:1000 dilution.  
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25µg per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Basic Kit (RM00020).  
Exposure time: 10s.



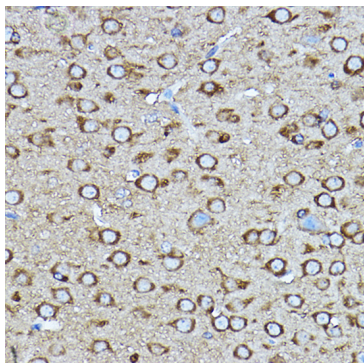
Western blot analysis of various lysates using Phospho-CRMP2/DPYSL2-T514 Rabbit pAb (AP0821) at 1:1000 dilution or CRMP2/DPYSL2 antibody (A14570). SH-SY5Y cells were treated by CIP(20uL/400ul) at 37°C for 1 hour. PC-12 cells were treated by CIP(20uL/400ul) at 37°C for 1 hour.  
Secondary antibody: HRP-conjugated 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.

## Validation Data

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Immunohistochemistry analysis of paraffin-embedded Rat brain using [KO Validated] CRMP2/CRMP2/DPYSL2 Rabbit pAb (A14570) at dilution of 1:400 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Mouse brain using [KO Validated] CRMP2/CRMP2/DPYSL2 Rabbit pAb (A14570) at dilution of 1:400 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.