# ABclonal www.abclonal.com

# [KO Validated] CRMP2/DPYSL2 Rabbit mAb

Catalog No.: A4411 KO Validated Recombinant 2 Publications

## **Basic Information**

## **Observed MW**

62kDa

## **Calculated MW**

62kDa

## Category

Primary antibody

## **Applications**

WB,IF-P,ELISA

### **Cross-Reactivity**

Human, Mouse, Rat

#### CloneNo number

ARC1123

## **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** 1:1000 - 1:5000

IF-P 1:50 - 1:200

**ELISA** Recommended starting concentration is 1 µg/mL.

Please optimize the concentration based on your specific assay requirements.

## Immunogen Information

**Gene ID**Swiss Prot
1808
Q16555

### **Immunogen**

Synthetic peptide. This information is considered to be commercially sensitive.

## **Synonyms**

DRP2; N2A3; CRMP2; DRP-2; ULIP2; CRMP-2; DHPRP2; ULIP-2; L2

## **Contact**

<b>a</b>	400-999-6126
×	cn.market@abclonal.com.cn
	www.abclonal.com.cn

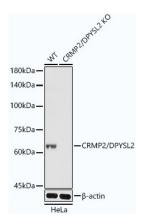
## **Product Information**

SourceIsotypePurificationRabbitIgGAffinity purification

#### Storage

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

Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.



Western blot analysis of lysates from wild type(WT) and CRMP2/DPYSL2 knockout (KO) HeLa cells, using [KO Validated] CRMP2/DPYSL2 Rabbit mAb (A4411) at 1:1000 dilution.

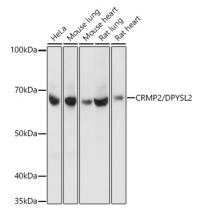
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 1s.



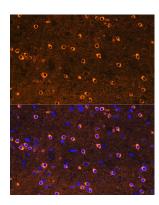
Western blot analysis of various lysates using CRMP2/DPYSL2 Rabbit mAb (A4411) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit  $lgG\ (H+L)\ (AS014)$  at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

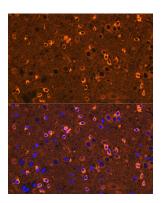
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 3s.



Immunofluorescence analysis of Rat brain tissue using [KO Validated] CRMP2/DPYSL2 Rabbit pAb (A4411) at a dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L)(AS007) at 1:500 dilution. Blue: DAPI for nuclear staining. Microwave antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining.



Immunofluorescence analysis of Mouse brain tissue using [KO Validated] CRMP2/DPYSL2 Rabbit pAb (A4411) at a dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L)(AS007) at 1:500 dilution. Blue: DAPI for nuclear staining. Microwave antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining.