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# [KO Validated] CRMP2/DPYSL2 Rabbit mAb

## Catalog No.: A4411

Recombinant | 2 Publications

## Basic Information

**Observed MW**
62kDa

**Calculated MW**
62kDa

**Category**
Monoclonal Antibodies

**Applications**
WB, IF-P, ELISA

**Cross Reactivity**
Human, Mouse, Rat

**Clone No.**
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**
1808

**Swiss-Prot**
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

400-999-6126
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## Product Information

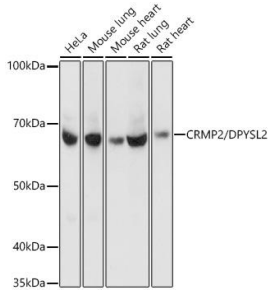
**Source**
Rabbit

**Isotype**
IgG

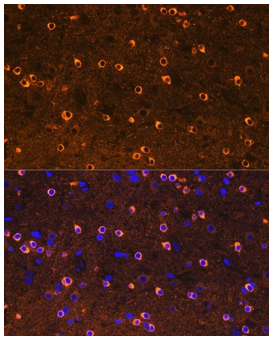
**Purity**
Affinity purification

**Storage**
Store at -20℃
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.

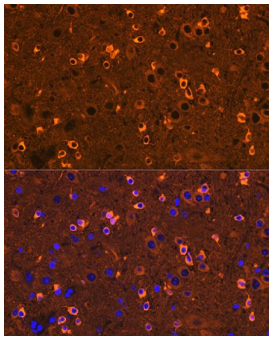
## Validation Data



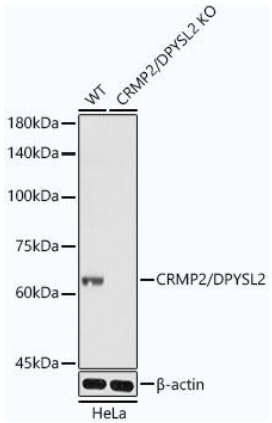

Western blot analysis of various lysates using [KO Validated] CRMP2/DPYSL2 Rabbit mAb (A4411) at 1:1000 dilution incubated overnight at 4℃.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1: 10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 3 s.



Immunofluorescence analysis of Rat brain tissue using [KO Validated] CRMP2 /DPYSL2 Rabbit mAb (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 mAb (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.




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 incubated overnight at 4℃.
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.


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