

## Product datasheet for **CF811601**

### CRMP2 (DPYSL2) Mouse Monoclonal Antibody [Clone ID: OTI5D7]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI5D7
Applications:	WB
Recommended Dilution:	WB 1:500~2000
Reactivity:	Human, Rat, Mouse
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	Human recombinant protein fragment corresponding to amino acids 13-490 of human DPYSL2 (NP_001377) produced in E.coli.
Formulation:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	dihydropyrimidinase like 2
Database Link:	<a href="#">NP_001377</a> <a href="#">Entrez Gene 12934 Mouse</a> <a href="#">Entrez Gene 25416 Rat</a> <a href="#">Entrez Gene 1808 Human</a> <a href="#">Q16555</a>


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**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. [provided by RefSeq, Sep 2011]

**Synonyms:**

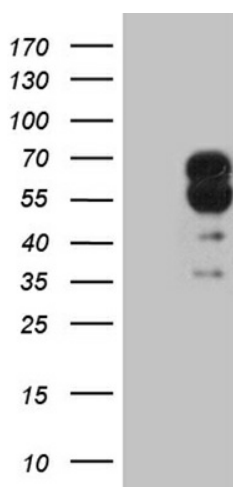
CRMP-2; CRMP2; DHPRP2; DRP-2; DRP2; N2A3; ULIP-2; ULIP2

**Protein Families:**

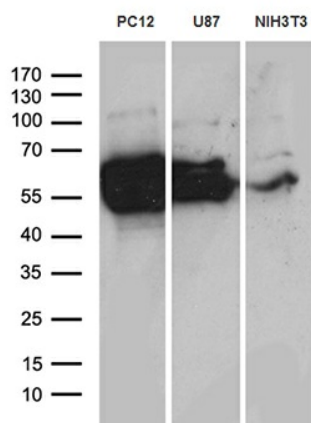
Druggable Genome

**Protein Pathways:**

Axon guidance

**Product images:**


HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY DPYSL2 (Cat# [RC209080], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-DPYSL2 (1:2000) (Cat# [TA811601]). Positive lysates [LY419992] (100ug) and [LC419992] (20ug) can be purchased separately from OriGene.



Western blot analysis of extracts (35ug) from 3 different cell lines by using anti-DPYSL2 monoclonal antibody (1:500).