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**Product Name: CRMP-3 Rabbit Polyclonal Antibody****Catalog #: APRab09415**

For research use only.

**Summary**

<b>Description</b>	Rabbit polyclonal Antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB,ELISA
<b>Reactivity</b>	Human,Mouse,Rat
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Polyclonal
<b>Form</b>	Liquid
<b>Concentration</b>	1mg/ml
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
<b>Purification</b>	Affinity purification

**Application**

<b>Dilution Ratio</b>	WB 1:500-1:2000,ELISA 1:5000-1:20000
<b>Molecular Weight</b>	62kDa

**Antigen Information**

<b>Gene Name</b>	DPYSL4
<b>Alternative Names</b>	DPYSL4; CRMP3; ULIP4; Dihydropyrimidinase-related protein 4; DRP-4; Collapsin response mediator protein 3; CRMP-3; UNC33-like phosphoprotein 4; ULIP-4
<b>Gene ID</b>	10570.0
<b>SwissProt ID</b>	O14531
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human DPYSL4. AA range:91-140

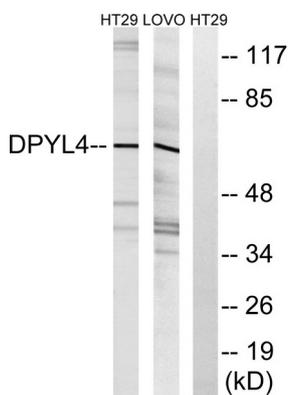
**Background**

disease:Antibodies against post-translationally modified DPYSL4, also called anti-CV2 autoantibodies, are present in sera from patients with paraneoplastic neurological diseases (PND). PND are disorders of the nervous system associated with various systemic cancers which are not a direct result of the tumor mass or metastasis, but attributed to remote effects of the cancer.,function:Necessary for signaling by class 3 semaphorins and subsequent remodeling of the cytoskeleton. Plays a role in axon guidance, neuronal growth cone collapse and cell migration.,PTM:Phosphorylated upon DNA damage, probably by ATM or ATR.,similarity:Belongs to the DHOase family. Hydantoinase/dihydropyrimidinase subfamily.,subunit:Homotetramer, and heterotetramer with CRMP1, DPYSL2, DPYSL3 or DPYSL5. Interacts with PLEXA1.,disease:Antibodies against post-translationally modified DPYSL4, also called anti-CV2 autoantibodies, are present in sera from patients with paraneoplastic neurological diseases (PND). PND are disorders of the nervous system associated with various systemic cancers which are not a direct result of the tumor mass or metastasis, but attributed to remote effects of the cancer.,function:Necessary for signaling by class 3 semaphorins and subsequent remodeling of the cytoskeleton. Plays a role in axon guidance, neuronal growth cone collapse and cell migration.,PTM:Phosphorylated upon DNA damage, probably by ATM or ATR.,similarity:Belongs to the DHOase family. Hydantoinase/dihydropyrimidinase subfamily.,subunit:Homotetramer, and heterotetramer with CRMP1, DPYSL2, DPYSL3 or DPYSL5. Interacts with PLEXA1.,

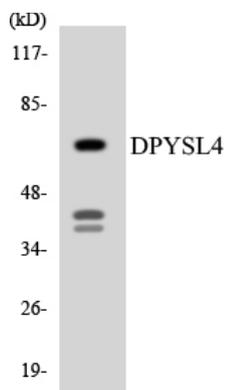
## Research Area

Neuroscience

## Image Data



Western blot analysis of lysates from LOVO and HT-29 cells, using DPYSL4 Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from RAW264.7 cells using DPYSL4 antibody.

Western Blot analysis of LOVO cells using CRMP-3 Polyclonal Antibody

