

**CRMP-3 Polyclonal Antibody**

<b>Catalog No :</b>	YT1117
<b>Reactivity :</b>	Human;Mouse;Rat
<b>Applications :</b>	WB;ELISA
<b>Target :</b>	CRMP-3
<b>Gene Name :</b>	DPYSL4
<b>Protein Name :</b>	Dihydropyrimidinase-related protein 4
<b>Human Gene Id :</b>	10570
<b>Human Swiss Prot No :</b>	O14531
<b>Mouse Swiss Prot No :</b>	O35098
<b>Rat Gene Id :</b>	25417
<b>Rat Swiss Prot No :</b>	Q62951
<b>Immunogen :</b>	The antiserum was produced against synthesized peptide derived from human DPYSL4. AA range:91-140
<b>Specificity :</b>	CRMP-3 Polyclonal Antibody detects endogenous levels of CRMP-3 protein.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	WB 1:500 - 1:2000. ELISA: 1:10000. Not yet tested in other applications.
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Concentration :</b>	1 mg/ml

---

**Storage Stability :** -15°C to -25°C/1 year(Do not lower than -25°C)

---

**Observed Band :** 62kD

---

**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.,

---

**Function :** 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.,

---

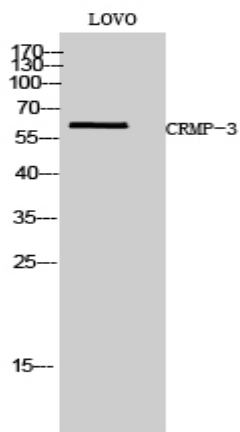
**Subcellular Location :** Cytoplasm .

---

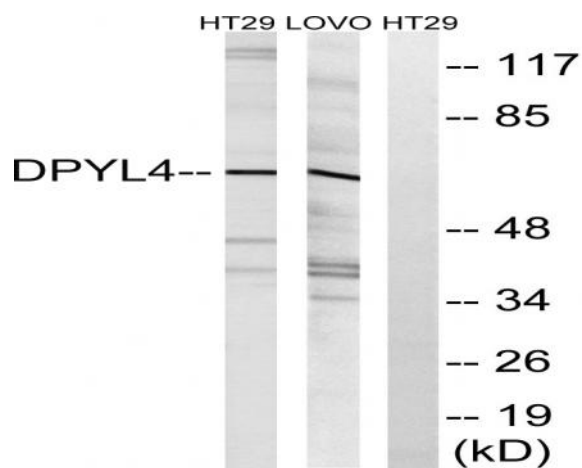
**Expression :** Brain,Fetal brain,Retina,

---

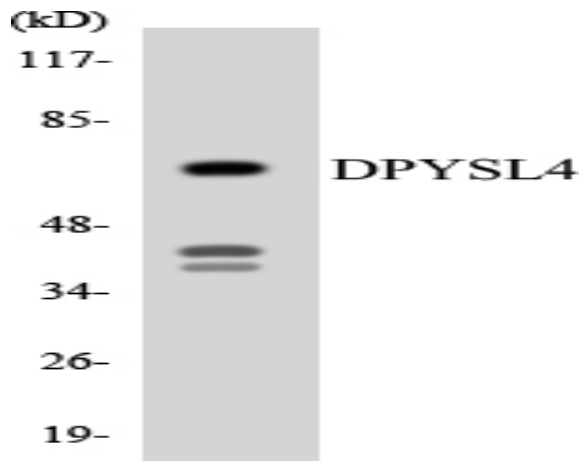
## Products Images



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



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.