



# DPYL1 Monoclonal Antibody

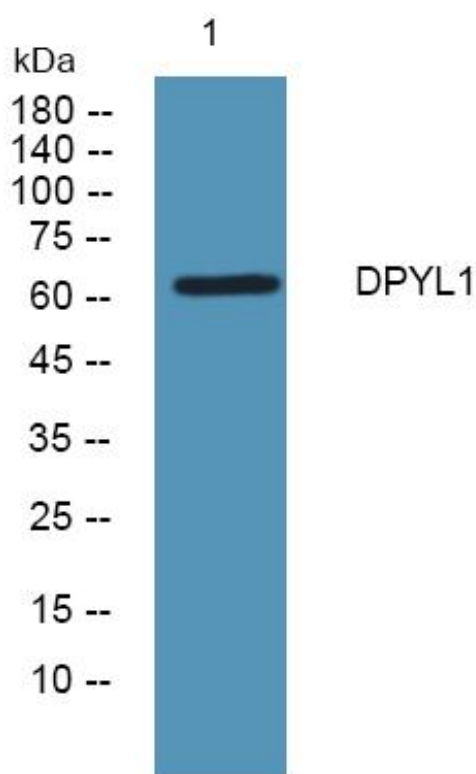
Catalog No	BYmab-04909
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	CRMP1 DPYSL1 ULIP3
Protein Name	Dihydropyrimidinase-related protein 1 (DRP-1) (Collapsin response mediator protein 1) (CRMP-1) (Unc-33-like phosphoprotein 3) (ULIP-3)
Immunogen	Synthesized peptide derived from human protein . at AA range: 440-520
Specificity	DPYL1 Monoclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	62kD
Cell Pathway	Cytoplasm . Cytoplasm, cytoskeleton, microtubule organizing center, centrosome . Cytoplasm, cytoskeleton, spindle . Cell projection, growth cone . Cytoplasm, cytoskeleton . Perikaryon . Associated with centrosomes and the mitotic spindle during metaphase (PubMed:11562390). Colocalizes with FLNA and tubulin in the central region of DRG neuron growth cone (By similarity). Following SEMA3A stimulation of DRG neurons, colocalizes with F-actin (By similarity). .
Tissue Specificity	Brain.
Function	function:Necessary for signaling by class 3 semaphorins and subsequent remodeling of the cytoskeleton. Plays a role in axon guidance, invasive growth and cell migration.,similarity:Belongs to the DHOase family. Hydantoinase/dihydropyrimidinase subfamily.,subcellular location:Associated with centrosomes and the mitotic spindle during metaphase.,subunit:Homotetramer, and heterotetramer with DPYSL2, DPYSL3, DPYSL4 or DPYSL5. Interacts with PLXNA1.,tissue specificity:Brain.,

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<b>Background</b>	This gene encodes a member of a family of cytosolic phosphoproteins expressed exclusively in the nervous system. The encoded protein is thought to be a part of the semaphorin signal transduction pathway implicated in semaphorin-induced growth cone collapse during neural development. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2008],
<b>matters needing attention</b>	Avoid repeated freezing and thawing!
<b>Usage suggestions</b>	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## Products Images



Western Blot analysis of various cells using DPYL1 Monoclonal Antibody