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DRP-2 Antibody

Unpurified Mouse Monoclonal Antibody (Mab)
Catalog # AM1131a

Product Information

Application	WB, E
Primary Accession	Q16555
Other Accession	P47942, O08553, Q90635, O02675
Reactivity	Human, Rat, Mouse
Predicted	Rat, Chicken, Bovine, Canine, Rabbit
Host	Mouse
Clonality	Monoclonal
Isotype	IgG2b
Clone Names	33CT11.7.6
Calculated MW	62294
Antigen Region	463-492

Additional Information

Gene ID	1808
Other Names	Dihydropyrimidinase-related protein 2, DRP-2, Collapsin response mediator protein 2, CRMP-2, N2A3, Unc-33-like phosphoprotein 2, ULIP-2, DPYSL2, CRMP2, ULIP2
Target/Specificity	This DRP-2 antibody is generated from mice immunized with a KLH conjugated synthetic peptide between 463-492 amino acids from human DRP-2.
Dilution	WB~~1:500~1000 E~~Use at an assay dependent concentration.
Format	Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein G column, followed by dialysis against PBS.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	DRP-2 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

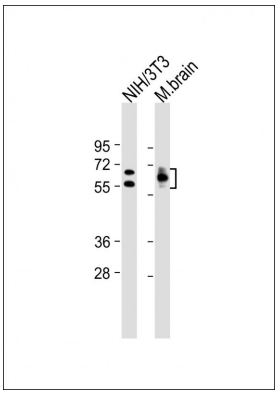
Name	DPYSL2
Synonyms	CRMP2, ULIP2

Function	Plays a role in neuronal development and polarity, as well as in axon growth and guidance, neuronal growth cone collapse and cell migration. Necessary for signaling by class 3 semaphorins and subsequent remodeling of the cytoskeleton. May play a role in endocytosis.
Cellular Location	Cytoplasm, cytosol. Cytoplasm, cytoskeleton. Membrane. Note=Tightly but non-covalently associated with membranes
Tissue Location	Ubiquitous.

References

A two-stage case-control association study of the dihydropyrimidinase-like 2 gene (DPYSL2) with schizophrenia in Japanese subjects. Koide T, et al. J Hum Genet, 2010 Jul. PMID 20414250. Sex-specific proteome differences in the anterior cingulate cortex of schizophrenia. Martins-de-Souza D, et al. J Psychiatr Res, 2010 Apr 8. PMID 20381070. Personalized smoking cessation: interactions between nicotine dose, dependence and quit-success genotype score. Rose JE, et al. Mol Med, 2010 Jul-Aug. PMID 20379614. Collapsin response mediator protein-2 regulates neurite formation by modulating tubulin GTPase activity. Chae YC, et al. Cell Signal, 2009 Dec. PMID 19666111. CRMP-2 directly binds to cytoplasmic dynein and interferes with its activity. Arimura N, et al. J Neurochem, 2009 Oct. PMID 19659462.

Images



All lanes : Anti-DRP-2 Antibody at 1:8000 dilution Lane 1: NIH/3T3 whole cell lysate Lane 2: Mouse brain lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-mouse IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 62, 58 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.