10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

DPYSL2 Antibody (Center) Blocking peptide

Synthetic peptide
Catalog # BP13939c

Specification

DPYSL2 Antibody (Center) Blocking peptide - Product Information

Primary Accession Q16555

DPYSL2 Antibody (Center) Blocking peptide - 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
The synthetic peptide sequence used to generate the antibody AP13939c was selected from the Center region of DPYSL2. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

DPYSL2 Antibody (Center) Blocking peptide - 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.

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DPYSL2 Antibody (Center) Blocking peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Blocking Peptides

DPYSL2 Antibody (Center) Blocking peptide - Images

DPYSL2 Antibody (Center) Blocking peptide - Background

Necessary for signaling by class 3 semaphorins and subsequent remodeling of the cytoskeleton. DPYSL2 plays a role in axon guidance, neuronal growth cone collapse and cell migration (By similarity).

DPYSL2 Antibody (Center) Blocking peptide - References

Martins-de-Souza, D., et al. J Psychiatr Res 44(14):989-991(2010)Koide, T., et al. J. Hum. Genet. 55(7):469-472(2010)Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :Chae, Y.C., et al. Cell. Signal. 21(12):1818-1826(2009)Arimura, N., et al. J. Neurochem. 111(2):380-390(2009)