DPYSL3 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	DPYSL3, Polyclonal Antibody
Full Product Name	DPYSL3, CT (DPYSL3, CRMP4, DRP3, ULIP, ULIP1, Dihydropyrimidinase-related protein 3, Collapsin response mediator protein 4, Unc-33-like phosphoprotein 1) (MaxLight 550)
Product Gene Name	anti-DPYSL3 antibody
Product Synonym Names	DPYSL3; CRMP4; DRP3; ULIP; ULIP1; Dihydropyrimidinase-related protein 3; Collapsin response mediator protein 4; Unc-33-like phosphoprotein 1
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight550.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight550 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	61,963 Da
Chromosome Location	Chromosome: 5; NC_000005.9 (146770371..146889619, complement). Location: 5q32
OMIM	601168
3D Structure	ModBase 3D Structure for Q14195
Immunogen	DPYSL3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 460-490 amino acids from the C-terminal region of human DPYSL3.
Conjugate	MaxLight550
Note	Preservative Free
Product Categories/Family for anti-DPYSL3 antibody	Antibodies; Enzymes
Applications Tested/Suitable for anti-DPYSL3 antibody	Immunohistochemistry (IHC), FLISA, Western Blot (WB)
Application Notes for anti-DPYSL3 antibody	IHC: 1:10-50 FLISA: 1:1,000 WB: 1:100-500 Applications are based on unconjugated antibody.
Related Product Information for anti-DPYSL3 antibody	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 (By similarity).
Product References and Citations for anti-DPYSL3 antibody	Okita, K., et al. Cancer Sci. 101(11):2333-2340(2010). Gao, X., et al. Oncogene 29(32):4555-4566(2010). Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010): Sugiyama, N., et al. Mol. Cell Proteomics 6(6):1103-1109(2007). Olsen, J.V., et al. Cell 127(3):635-648(2006).

Other Notes	Small volumes of anti-DPYSL3 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for DPYSL3 purchase	MBS6293462 is an antibody targeting DPYSL3. Also known as DPYSL3, CT (DPYSL3, CRMP4, DRP3, ULIP, ULIP1, Dihydropyrimidinase-related protein 3, Collapsin response mediator protein 4, Unc-33-like phosphoprotein 1) (MaxLight 550). Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for DPYSL3. It may not necessarily be applicable to this product.

NCBI GI #	4503379
NCBI GeneID	1809
NCBI Accession #	NP_001378.1
UniProt Primary Accession #	Q14195
UniProt Secondary Accession #	Q93012; B3SXQ8
UniProt Related Accession #	Q14195
GenBank Nucleotide #	NM_001387.2
NCBI Official Full Name	dihydropyrimidinase-related protein 3 isoform 2
NCBI Official Synonym Full Names	dihydropyrimidinase-like 3
NCBI Official Symbol	DPYSL3
NCBI Official Synonym Symbols	DRP3; ULIP; CRMP4; DRP-3; LCRMP; CRMP-4; ULIP-1
UniProt Protein Name	Dihydropyrimidinase-related protein 3
UniProt Synonym Protein Names	Collapsin response mediator protein 4; CRMP-4; Unc-33-like phosphoprotein 1
Protein Family	Dihydropyrimidinase-related protein
UniProt Gene Name	DPYSL3
UniProt Synonym Gene Names	CRMP4; DRP3; ULIP; ULIP1; DRP-3; CRMP-4; ULIP-1
UniProt Entry Name	DPYL3_HUMAN
NCBI Protein Information	dihydropyrimidinase-related protein 3; unc-33-like phosphoprotein 1; collapsin response mediator protein 4 long
UniProt Comments for DPYSL3	CRMP-4: 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. Belongs to the DHOase family. Hydantoinase/dihydropyrimidinase subfamily. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Hydrolase Chromosomal Location of Human Ortholog: 5q32 Cellular Component: filamentous actin; extracellular space; growth cone; lamellipodium; cytosol Molecular Function: hydrolase activity, acting on carbon-nitrogen (but not peptide) bonds, in cyclic amides; phosphoprotein binding; SH3 domain binding Biological Process: actin crosslink formation; positive regulation of filopodium formation; axon guidance; actin filament bundle formation; response to axon injury; negative regulation of cell migration; pyrimidine base catabolic process; protein homooligomerization

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