CACNA2D3 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	CACNA2D3, Polyclonal Antibody
Full Product Name	CACNA2D3, CT (CACNA2D3, Voltage-dependent calcium channel subunit alpha-2/delta-3, Voltage-gated calcium channel subunit alpha-2/delta-3, Voltage-dependent calcium channel subunit alpha-2-3, Voltage-dependent calcium channel subunit delta-3) (MaxLight 490
Product Gene Name	anti-CACNA2D3 antibody
Product Synonym Names	CACNA2D3; Voltage-dependent calcium channel subunit alpha-2/delta-3; Voltage-gated calcium channel subunit alpha-2/delta-3; Voltage-dependent calcium channel subunit alpha-2-3; Voltage-dependent calcium channel subunit delta-3
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 MaxLight490.
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: MaxLight490 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	123,011 Da
Chromosome Location	Chromosome: 3; NC_000003.12 (54122593..55074557). Location: 3p21.1
OMIM	606399
3D Structure	ModBase 3D Structure for Q8IZS8
Immunogen	CACNA2D3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide selected from the C-terminal region of human CACNA2D3.
Conjugate	MaxLight490
Note	Preservative Free
Product Categories/Family for anti-CACNA2D3 antibody	Antibodies; Ion Channel
Applications Tested/Suitable for anti-CACNA2D3 antibody	Flow Cytometry (FC/FACS), FLISA, Western Blot (WB)
Application Notes for anti-CACNA2D3 antibody	FC/FACS: 1:10-50 FLISA: 1:1,000 WB: 1:100-500 Applications are based on unconjugated antibody.
Related Product Information for anti-CACNA2D3 antibody	MaxLight490 is a new Blue-Green photostable dye conjugate comparable to DyLight488, Alexa Fluor488 and offers better labeling efficiency, brighter imaging and increased immunodetection. Absorbance (491nm); Emission (515nm); Extinction Coefficient 73,000.

Product References and Citations for anti-CACNA2D3 antibody	Trynka, G., et al. Gut 58(8):1078-1083(2009). Wanajo, A., et al. Gastroenterology 135(2):580-590(2008). Uhl, G.R., et al. Arch. Gen. Psychiatry 65(6):683-693(2008). Abo-Dalo, B., et al. Am. J. Med. Genet. A 143A (22), 2668-2674 (2007).
Other Notes	Small volumes of anti-CACNA2D3 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 CACNA2D3 purchase	MBS6280326 is an antibody targeting CACNA2D3. Also known as CACNA2D3, CT (CACNA2D3, Voltage-dependent calcium channel subunit alpha-2/delta-3, Voltage-gated calcium channel subunit alpha-2/delta-3, Voltage-dependent calcium channel subunit alpha-2-3, Voltage-dependent calcium channel subunit delta-3) (MaxLight 490. Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CACNA2D3. It may not necessarily be applicable to this product.

NCBI GI #	22770596
NCBI GeneID	55799
NCBI Accession #	AAN06673.1
UniProt Primary Accession #	Q8IZS8
UniProt Secondary Accession #	Q9NY16; Q9NY18; B2RPL6
UniProt Related Accession #	Q8IZS8
NCBI Official Full Name	voltage-gated calcium channel alpha(2)delta-3 subunit
NCBI Official Synonym Full Names	calcium channel, voltage-dependent, alpha 2/delta subunit 3
NCBI Official Symbol	CACNA2D3
NCBI Official Synonym Symbols	HSA272268
UniProt Protein Name	Voltage-dependent calcium channel subunit alpha-2/delta-3
UniProt Synonym Protein Names	Voltage-gated calcium channel subunit alpha-2/delta-3
Protein Family	Voltage-dependent calcium channel
UniProt Gene Name	CACNA2D3
UniProt Entry Name	CA2D3_HUMAN
NCBI Protein Information	voltage-dependent calcium channel subunit alpha-2/delta-3; calcium channel alpha2-delta3 subunit; voltage-gated calcium channel subunit alpha-2/delta-3; calcium channel, voltage-dependent, alpha 2/delta 3 subunit
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