DCDC2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	DCDC2, Polyclonal Antibody
Full Product Name	DCDC2, ID (DCDC2, KIAA1154, RU2, Doublecortin domain-containing protein 2, Protein RU2S) (MaxLight 650)
Product Gene Name	anti-DCDC2 antibody
Product Synonym Names	DCDC2; KIAA1154; RU2; Doublecortin domain-containing protein 2; Protein RU2S
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 MaxLight650.
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: MaxLight650 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	25,582 Da
OMIM	600202
3D Structure	ModBase 3D Structure for Q9UHG0
Immunogen	DCDC2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 305-334 amino acids from the Central region of human DCDC2.
Conjugate	MaxLight650
Note	Preservative Free
Product Categories/Family for anti-DCDC2 antibody	Antibodies; KIAA; orf
Applications Tested/Suitable for anti-DCDC2 antibody	Western Blot (WB), FLISA
Application Notes for anti-DCDC2 antibody	WB: 1:100-500 FLISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-DCDC2 antibody	This gene encodes a protein with two doublecortin peptide domains. This domain has been demonstrated to bind tubulin and enhance microtubule polymerization. Mutations in this gene have been associated with Reading Disability (RD), also referred to as developmental dyslexia.
Product References and Citations for anti-DCDC2 antibody	Couto, J.M., et al. Am. J. Med. Genet. B Neuropsychiatr. Genet. 153B (2), 447-462 (2010): Meda, S.A., et al. Neuroimage (2009). In press: Couto, J.M., et al. Biol. Psychiatry 66(4):368-375(2009). Wilcke, A., et al. Ann Dyslexia 59(1):1-11(2009). Meda, S.A., et al. Brain Imaging Behav 2(1):21-26(2008).
Other Notes	Small volumes of anti-DCDC2 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 DCDC2 purchase	MBS6291054 is an antibody targeting DCDC2. Also known as DCDC2, ID (DCDC2, KIAA1154, RU2, Doublecortin domain-containing protein 2, Protein RU2S) (MaxLight 650). Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for DCDC2. It may not necessarily be applicable to this product.

NCBI GI #	307219252
NCBI GeneID	51473
NCBI Accession #	NP_001182539.1
NCBI Related Accession #	NP_057440.2
UniProt Primary Accession #	Q9UHG0
UniProt Secondary Accession #	Q5VTR8; Q5VTR9; Q86W35; Q9UFD1; Q9UHG1; Q9ULR6
UniProt Related Accession #	Q9UHG0
GenBank Nucleotide #	NM_001195610.1
NCBI Official Full Name	doublecortin domain-containing protein 2
NCBI Official Synonym Full Names	doublecortin domain containing 2
NCBI Official Symbol	DCDC2
NCBI Official Synonym Symbols	NSC; RU2; RU2S; DCDC2A; DFNB66; NPHP19
UniProt Protein Name	Doublecortin domain-containing protein 2
UniProt Synonym Protein Names	Protein RU2S
Protein Family	Doublecortin domain-containing protein
UniProt Gene Name	DCDC2
UniProt Synonym Gene Names	KIAA1154; RU2
UniProt Entry Name	DCDC2_HUMAN
NCBI Protein Information	doublecortin domain-containing protein 2
NCBI Summary for DCDC2	This gene encodes a doublecortin domain-containing family member. The doublecortin domain has been demonstrated to bind tubulin and enhance microtubule polymerization. This family member is thought to function in neuronal migration where it may affect the signaling of primary cilia. Mutations in this gene have been associated with reading disability (RD) type 2, also referred to as developmental dyslexia. Alternatively spliced transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Jan 2013]
Research Articles on DCDC2	**1.** Study concludes that DCDC2 deletion is not a strong risk factor for dyslexia.
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