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Rabbit Anti-DCDC2 antibody

SL11824R

Product Name:	DCDC2
Chinese Name:	双皮层蛋白结构域蛋白DCDC2抗体
Alias:	DCDC 2; DCDC2; DCDC2_HUMAN; DCDC2A; Doublecortin domain containing 2; Doublecortin domain-containing protein 2; HGNC:18141; KIAA1154; Protein RU2S; RU2; RU2S; RU2S protein.
文献引用 PubMed :	**Specific References(1)**|SL11824R has been referenced in 1 publications. **[IF=11.47]**Choi, Won Hoon, et al. "Open-gate mutants of the mammalian proteasome show enhanced ubiquitin-conjugate degradation." Nature Communications 7 (2016).**WB;Human**. PubMed:26957043
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Cow,Horse,Sheep,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500（Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	53kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human DCDC2:85-168/476
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year

	when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	The DCDC2 gene encodes the DCDC2 protein (Doublecortin-containing protein 2, RU2, RU2S) which contains two Doublecortin peptide domains similar to those in the Doublecortin gene. DCDC2 is transcribed as a “normal” gene, which results in a sense transcript (RU2S), but when it is transcribed in the opposite direction, a shorter antisense transcript (RU2AS), which is found in tumors, results. The DCDC2 protein demonstrates ubiquitous expression, whereas RU2AS expression is restricted to normal kidney, bladder, liver and testis, and to tumors of various histologic origins. The deduced DCDC2 protein contains 476 amino acids, while the RU2AS protein contains 84 residues. There is a significant association between dyslexia and several SNPs within the DCDC2 gene. **Function:** May be involved in neuronal migration during development of the cerebral neocortex. **Tissue Specificity:** Ubiquitously expressed. In brain, highly expressed in the entorhinal cortex, inferior temporal cortex, medial temporal cortex, hypothalamus, amygdala and hippocampus. **DISEASE:** Defects in DCDC2 may be a cause of susceptibility to dyslexia type 2 (DYX2) [MIM:600202]; also known as specific reading disability type 2. Dyslexia is a relatively common, complex cognitive disorder that affects 5% to 10% of school-aged children. The disorder is characterized by an impairment of reading performance despite adequate motivational, educational and intellectual opportunities and in the absence of sensory or neurological disability. **Similarity:** Contains 2 doublecortin domains. **SWISS:** Q9UHG0 **Gene ID:** 51473 **Database links:** Entrez Gene: 51473Human Entrez Gene: 195208Mouse Entrez Gene: 291130Rat Omim: 605755Human

	SwissProt: Q9UHG0Human SwissProt: Q5DU00Mouse SwissProt: D3ZR10Rat Unigene: 61345Human Unigene: 284719Mouse Unigene: 45430Rat **Important Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.