

bs-11824R**[Primary Antibody]****DCDC2 Rabbit pAb**

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— DATASHEET —

Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000) IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) ICC/IF (1:100-500) ELISA (1:5000-10000) Reactivity: (predicted: Human, Mouse, Rat, Sheep, Cow, Horse) Predicted MW.: 53 kDa Subcellular Location: Cytoplasm
Clonality: Polyclonal		
GeneID: 51473	SWISS: Q9UHG0	
Target: DCDC2		
Immunogen: KLH conjugated synthetic peptide derived from human DCDC2: 85-168/476.		
Purification: affinity purified by Protein A		
Concentration: 1mg/ml		
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.		
Background: 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.		

— SELECTED CITATIONS —

- **[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". 26957043