

## Goat anti-DCDC2 Antibody

<b>Item Number</b>	dAP-0803
<b>Target Molecule</b>	Principle Name: DCDC2; Official Symbol: DCDC2; All Names and Symbols: DCDC2; doublecortin domain containing 2; HGNC:18141; KIAA1154; RU2; RU2S; DCDC2A; Accession Number (s): NP_057440.2; Human Gene ID(s): 51473; Non-Human GenID(s):
<b>Immunogen</b>	DGEKANKDAEQKED, is from internal region
<b>Applications</b>	Pep ELISA, WB, IHC Species Tested: Human, Mouse, Rat
<b>Purification</b>	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
<b>Supplied As</b>	Lyophilized powder of 50ug or 100ug IgG; Reconstitute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.
<b>Peptide ELISA</b>	Peptide ELISA: antibody detection limit dilution 1 to 4000.
<b>Western Blot</b>	Western Blot: Full length recombinant human DCDC2 expressed in COS7 (Lane A), non-transfected COS7 (Lane B). Approx 52kDa band observed (calculated MW of 52.8kDa according to NP_057440.1). Data kindly provided by Wang and LoTurco, University of Connecticut
<b>IHC</b>	Immunohistochemistry: In paraffin embedded Human Cerebral Cortex shows cytoplasm staining in select neurons. Recommended concentration, 5-10µg/ml. An anonymous customer found positive results in IHC on Rat retinal tissue. An anonymous customer found positive results in IHC on Human brain tissue.
<b>Reference</b>	Reference(s): Cope N, Harold D, Hill G, Moskvina V, Stevenson J, Holmans P, Owen MJ, O'Donovan MC, Williams J. Strong evidence that KIAA0319 on chromosome 6p is a susceptibility gene for developmental dyslexia. Am J Hum Genet. 2005 Apr;76(4):581-91. Epub 2005 Feb 16. PMID: 15717286 ->

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the end users! This product is sold for **Research Use Only**