

## Goat anti-contactin 1 (aa585-870) Antibody

<b>Item Number</b>	dAP-3019
<b>Target Molecule</b>	Principle Name: contactin 1 (aa585-870); Official Symbol: CNTN1; All Names and Symbols: CNTN1; contactin 1; F3; GP135; contactin-1; glycoprotein gp135; neural cell surface protein F3; Accession Number (s): NP_001834.2; NP_778203.1; Human Gene ID(s): 1272; Non-Human GenelD(s): 12805 (mouse) 117258 (rat)
<b>Immunogen</b>	QVTSQEYSARLEN, is from internal region This antibody is expected to recognize isoform 1 (NP_001834.2) and isoform 2 (NP_778203.1).
<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 16000.
<b>Western Blot</b>	Western Blot: Approx 140kDa band observed in Mouse Brain, and approx 150kDa observed in Human and Rat Brain lysates (calculated MW of 113kDa according to Human, NP_001834.2, Mouse NP_031753.1 and Rat NP_476459.1). The observed molecular weight
<b>IHC</b>	Immunohistochemistry: In paraffin embedded Mouse Cerebral Cortex shows membranous staining of neuronal cell bodies. Recommended concentration, 5-10µg/ml.
<b>Reference</b>	Reference(s): Lamprianou S, Chatzopoulou E, Thomas JL, Bouyain S, Harroch S. A complex between contactin-1 and the protein tyrosine phosphatase PTPRZ controls the development of oligodendrocyte precursor cells. Proc Natl Acad Sci U S A. 2011 Oct 18;108(42):17498-503.. PMID: 21969550->

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**