

Goat anti-Contactin 4 / Big-2 (mouse aa160-172) Antibody

Item Number	dAP-2752
Target Molecule	Principle Name: Contactin 4 / Big-2 (mouse aa160-172); Official Symbol: Cntn4; All Names and Symbols: Cntn4; contactin 4; 9630050B05; Axcam; BIG-2; axonal-associated cell adhesion molecule; brain-derived immunoglobulin superfamily molecule; brain-derived immunoglobulin superfamily protein 2; contactin-4; Accession Number (s): NP_001103219.1; NP_766592.2; Human Gene ID(s): 152330; Non-Human GeneID (s): 269784 (mouse) 116658 (rat)
Immunogen	RRADGKPIARK, is from internal region This antibody is expected to recognize both reported isoforms (NP_001103219.1; NP_766592.2). Reported variants represent identical protein: NP_766592.2, NP_001103221.1
Applications	Pep ELISA, WB Species Tested: Mouse
Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Supplied As	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.
Peptide ELISA	Peptide ELISA: antibody detection limit dilution 1 to 128000.
Western Blot	Western Blot: Approx 150kDa band observed in Mouse Brain lysates and not in the same lysates from the KO mice (calculated MW of 113kDa according to NP_001103219.1). Recommended concentration: 0.5-1.5µg/ml.
IHC	
Reference	Reference(s): Kaneko-Goto T, Yoshihara S, Miyazaki H, Yoshihara Y. BIG-2 mediates olfactory axon convergence to target glomeruli. <i>Neuron</i> . 2008 Mar 27;57(6):834-46. PMID: 18367085->

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 ender users! This product is sold for **Research Use Only**