

Goat anti-Neurochondrin Antibody

Item Number	dAP-1014
Target Molecule	Principle Name: Neurochondrin; Official Symbol: NCDN; All Names and Symbols: NCDN; neurochondrin ; KIAA0607; Accession Number (s): NP_055099.1; NP_001014841.1; Human Gene ID(s): 23154; Non-Human GeneID(s): 26562 (mouse) 89791 (rat)
Immunogen	HYLLQVGSEKQKEP, is from internal region This antibody is expected to recognize both reported isoforms (NP_055099.1; NP_001014841.1). Reported variants represent identical protein (NP_055099.1; NP_001014839.1).
Applications	Pep ELISA Species Tested:
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 16000.
Western Blot	Western Blot: Preliminary experiments gave bands at approx 100kDa and 140kDa in Human Brain (Cerebellum) lysates after 1µg/ml antibody staining. Please note that currently we cannot find an explanation in the literature for the bands we observe given the
IHC	

Reference	Reference(s): Dateki M, Horii T, Kasuya Y, Mochizuki R, Nagao Y, Ishida J, Sugiyama F, Tanimoto K, Yagami K, Imai H, Fukamizu A. Neurochondrin negatively regulates CaMKII phosphorylation, and nervous system-specific gene disruption results in epileptic seizure. J Biol Chem. 2005 May 27;280(21):20503-8.
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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**