

Goat anti-CHRNA3 Antibody

Item Number	dAP-1499
Target Molecule	Principle Name: CHRNA3; Official Symbol: CHRNA3 ; All Names and Symbols: CHRNA3 ; cholinergic receptor, nicotinic, beta 3 ; acetylcholine receptor, neuronal nicotinic, beta-3 subunit; cholinergic receptor, nicotinic, beta polypeptide 3; Accession Number (s): NP_000740.1; Human Gene ID(s): 1142; Non-Human GeneID(s): 108043 (mouse) 171131 (rat)
Immunogen	SRHVKEHFISQ, is from internal region
Applications	Pep ELISA, WB Species Tested: Human
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: Approx. 50kDa band observed in Human Brain (Cerebellum) lysates (calculated MW of 52.7kDa according to NP_000740.1). Recommended concentration: 1-3µg/ml.
IHC	

Reference	Reference(s): Zeiger J, Haberstick BC, Schlaepfer I, Collins AC, Corley RP, Crowley TJ, Hewitt JK, Hopfer CJ, Lessem J, McQueen MB, Rhee SH, Ehringer MA. The neuronal nicotinic receptor subunit genes (CHRNA6 and CHRNA3) are associated with subjective responses to tobacco. Hum Mol Genet. 2007 Nov
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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**