

## Goat anti-CHRNA1 / ACHRA Antibody

<b>Item Number</b>	dAP-1440
<b>Target Molecule</b>	Principle Name: CHRNA1 / ACHRA; Official Symbol: CHRNA1; All Names and Symbols: CHRNA1; ACHRA; cholinergic receptor, nicotinic, beta 1 (muscle) ; CHRNA1; CMS1D; CMS2A; SCCMS; cholinergic receptor, nicotinic, beta polypeptide 1 (muscle); nicotinic acetylcholine receptor beta 1 subunit; Accession Number (s): NP_000738.2; Human Gene ID(s): 1140; Non-Human GeneID(s):
<b>Immunogen</b>	QEQEDHDALKED, is from internal region
<b>Applications</b>	Pep ELISA, WB Species Tested: Human
<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 1000.
<b>Western Blot</b>	Western Blot: Approx 55kDa band observed in human brain (cerebellum, hippocampus, frontal cortex) lysates (calculated MW of 56.7kDa according to NP_000738.2). Recommended concentration: 1-3µg/ml.
<b>IHC</b>	
<b>Reference</b>	Reference(s): Lou XY, Ma JZ, Payne TJ, Beuten J, Crew KM, Li MD. Gene-based analysis suggests association of the nicotinic acetylcholine receptor beta1 subunit (CHRNA1) and M1 muscarinic acetylcholine receptor (CHRM1) with vulnerability for nicotine dependence. Hum Genet. 2006 Oct;120(3):381-9. Epub

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**