

Goat anti-CHRNA4 Antibody

Item Number	dAP-1398
Target Molecule	Principle Name: CHRNA4; Official Symbol: CHRNA4 ; All Names and Symbols: CHRNA4 ; cholinergic receptor; nicotinicN: beta 4 ; Cholinergic receptor, neuronal nicotinic, beta polypeptide-4; cholinergic receptor, nicotinic, beta polypeptide 4; neuronal nicotinic receptor beta 4 subunit; Accession Number (s): NP_000741.1; Human Gene ID(s): 1143; Non-Human GeneID(s):
Immunogen	DYRLTWNSSRYEGVN, is from internal region The immunizing peptide represents part of the first extracellular domain (aa22-236).
Applications	Pep ELISA, IHC 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: Preliminary experiments gave an approx 40kDa band in human testis lysates after 0.2µg/ml antibody staining. Please note that currently we cannot find an explanation in the literature for the band we observe given the calculated size of 56.4
IHC	Immunohistochemistry: Paraffin embedded Human Uterus. Recommended concentration: 2.5µg/ml.
Reference	Reference(s): Liang Y, Salas R, Marubio L, Bercovich D, De Biasi M, Beaudet AL, Dani JA. Functional polymorphisms in the human beta4 subunit of nicotinic acetylcholine receptors. Neurogenetics. 2005 Feb;6 (1):37-44. Epub 2004 Nov 25..PMID: 15742216 ->

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**