

Goat anti-CHRNA4 Antibody

Item Number	dAP-1362
Target Molecule	Principle Name: CHRNA4; Official Symbol: CHRNA4; All Names and Symbols: CHRNA4; cholinergic receptor, nicotinic, alpha 4; BFNC; EBN; EBN1; NACRA4; cholinergic receptor, nicotinic, alpha 4 subunit; cholinergic receptor, nicotinic, alpha polypeptide 4; neuronal acetylcholine receptor alpha 4 subunit; neuronal nicotinic acetylch; Accession Number (s): NP_000735.1; Human Gene ID(s): 1137; Non-Human GeneID(s):
Immunogen	RASSHVETRAHAE, is from internal region (near the N Terminus)
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 4000.
Western Blot	Western Blot: Preliminary experiments in Human Brain (Cerebral Cortex, Cerebellum and Frontal Cortex) lysates gave no specific signal but low background (at antibody concentration up to 1µg/ml). We would appreciate any feedback from people in the field -
IHC	
Reference	Reference(s): Bertrand D, Picard F, Le Hellard S, Weiland S, Favre I, Phillips H, Bertrand S, Berkovic SF, Malafosse A, Mulley J. How mutations in the nAChRs can cause ADNFLE epilepsy. Epilepsia. 2002;43 Suppl 5:112-22..PMID: 12121305 ->

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**