ANGIO-PROTEOMIE
HIGH QUALITY REAGENTS FOR LIFE SCIENCES

DATA SHEET

Goat anti-CHRNA4 (aa29-43) Antibody

Item Number	dAP-1549
Target Molecule	Principle Name: CHRNA4 (aa29-43); 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 acetylcho; Accession Number (s): NP_000735.1; Human Gene ID(s): 1137; Non-Human GeneID(s): 11438 (mouse) 25590 (rat)
Immunogen	HVETRAHAEERLLKK, is from internal region This antibody is expected NOT to cross-react with the similar alpha 2 subunit.
Applications	Pep ELISA, WB Species Tested: Human, Rat
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; Reconsititute 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 64000.
Western Blot	Western Blot: Approx 70kDa band observed in Rat Brain lysates (calculated MW of 70.0kDa according to Human NP_000735.1and of 70.2kDa according to Rat NP_077330.1). Recommended concentration: 1-3µg/ml. An additional band of unknown identity was also consi
IHC	
Reference	Reference(s): Schwarz J, Schwarz SC, Dorigo O, Stützer A, Wegner F, Labarca C, Deshpande P, Gil JS, Berk AJ, Lester HA. Enhanced expression of hypersensitive alpha4* nAChR in adult mice increases the loss of midbrain dopaminergic neurons. FASEB J. 2006 May;20(7):935-46..PMID: 16675851->

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

Angio-Proteomie | 11 Park Drive, Suite 12 Boston, MA 02215, USA | Tel: 001-617-549-2665 | Fax: 001-480-247-4337 | Email: angioproteomie@gmail.com