

Goat anti-CHRNA5 Antibody

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| Item Number | dAP-2388 |
| Target Molecule | Principle Name: CHRNA5; Official Symbol: CHRNA5; All Names and Symbols: CHRNA5; cholinergic receptor, nicotinic, alpha 5; LNCR2; Cholinergic receptor, neuronal nicotinic, alpha polypeptide-5; neuronal acetylcholine receptor subunit alpha-5; neuronal nicotinic acetylcholine receptor, alpha5 subunit; Accession Number (s): NP_000736.2; Human Gene ID(s): 1138; Non-Human GeneID(s): |
| Immunogen | HVDRYFTQKEET, 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 32000. |
| Western Blot | Western Blot: Approx 55kDa band observed in lysates of cell line KELLY (calculated MW of 53.1kDa according to NP_000736.2). Recommended concentration: 1-3µg/ml. |
| IHC | |
| Reference | Reference(s): Kuryatov A, Berrettini W, Lindstrom J. Acetylcholine receptor (AChR) α5 subunit variant associated with risk for nicotine dependence and lung cancer reduces (α4β2)□ 2 α5 AChR function. Mol Pharmacol. 2011 Jan;79(1):119-25..PMID: 20881005-> |

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**