

Goat anti-DRD5 Antibody

Item Number	dAP-0989
Target Molecule	Principle Name: DRD5; Official Symbol: DRD5; All Names and Symbols: DRD5; dopamine receptor D5 ; DBDR; DRD1B; DRD1L2; MGC10601 ; D1beta dopamine receptor; dopamine receptor D1B ; Accession Number (s): NP_000789.1; Human Gene ID(s): 1816; Non-Human GeneID(s):
Immunogen	NREVDNDEEEGPPFD, is from internal region
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 128000.
Western Blot	Western Blot: Preliminary experiments gave an approx 75-80kDa band in lysates of Human Brain (hippocampus), Kidney, Spleen and Thymus after 0.1µg/ml antibody staining. Please note that currently we cannot find an explanation in the literature for the band
IHC	
Reference	Reference(s): Daly G, Hawi Z, Fitzgerald M, Gill M. Mapping susceptibility loci in attention deficit hyperactivity disorder: preferential transmission of parental alleles at DAT1, DBH and DRD5 to affected children. Mol Psychiatry. 1999 Mar;4(2):192-6..PMID: 10208453->

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**