

## Goat anti-Dopamine receptor D4 / DRD4 Antibody

<b>Item Number</b>	dAP-0927
<b>Target Molecule</b>	Principle Name: Dopamine receptor D4 / DRD4; Official Symbol: DRD4; All Names and Symbols: DRD4; dopamine receptor D4; D4DR ; D(2C) dopamine receptor; dopamine D4 receptor; seven transmembrane helix receptor ; Accession Number (s): NP_000788.2; Human Gene ID(s): 1815; Non-Human GenelD(s):
<b>Immunogen</b>	PLRYNRQGGSRRQ, is from internal region
<b>Applications</b>	Pep ELISA Species Tested:
<b>Purification</b>	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
<b>Supplied As</b>	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.
<b>Peptide ELISA</b>	Peptide ELISA: antibody detection limit dilution 1 to 64000.
<b>Western Blot</b>	Western Blot: Preliminary experiments gave an approx 35kDa band in Human Brain lysates after 0.1µg/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 43.9k
<b>IHC</b>	
<b>Reference</b>	Reference(s): Li D, Sham PC, Owen MJ, He L. Meta-analysis shows significant association between dopamine system genes and attention deficit hyperactivity disorder (ADHD). <i>Hum Mol Genet.</i> 2006 Jul 15;15 (14):2276-84. Epub 2006 Jun 14. .PMID: 16774975 ->

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 end users! This product is sold for **Research Use Only**