

## DRD5 Antibody

*DRD5, dopamine receptor D5, DBDR, DRD1B, DRD1L2, MGC10601, D1beta dopamine receptor, dopamine receptor D1B*

**CATALOG NO.: 45-497**

**HOST:**

Goat

**CLONALITY:**

Polyclonal

**INFORMATION:**

DRD5 Antibody.

**SOURCE:**

DRD5 antibody was raised against a synthetic peptide of DRD5.

**PROTEIN ACCESSION NUMBER(S) :**

NP\_000789.1

**SPECIES REACTIVITY:**

Human

**TESTED APPLICATION:**

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**APPLICATION:**

Peptide ELISA: antibody detection limit dilution 1:128,000.  
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 we observe given the calculated size of 53.0kDa according to NP\_000789.1. The 75-80kDa band was successfully blocked by incubation with the immunizing peptide.

**PURIFICATION:**

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

**BUFFER:**

0.1mg of purified antibody in 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

**STORAGE:**

Aliquot and store at -20°C. Minimize freezing and thawing.

**REFERENCE:**

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.

**USER NOTES:**

When working with antibodies optimal dilutions/concentrations should be determined by the end user for each application. The information provided is a guideline for antibody use. As with all ProSci antibodies, this antibody is for research use only.