



Anti-DRD5 polyclonal antibody (DPAB-DC784)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	This gene encodes the D5 subtype of the dopamine receptor. The D5 subtype is a G-protein coupled receptor which stimulates adenylyl cyclase. This receptor is expressed in neurons in the limbic regions of the brain. It has a 10-fold higher affinity for dopamine than the D1 subtype. Pseudogenes related to this gene reside on chromosomes 1 and 2.
Immunogen	A synthetic peptide corresponding to human DRD5. The sequence is C-NREVDNDEEEGPFD
Source/Host	Goat
Species Reactivity	Human
Purification	Antigen affinity purification
Conjugate	Unconjugated
Applications	ELISA,
Format	Liquid
Concentration	0.5 mg/mL
Size	100 µg
Buffer	In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)
Preservative	0.02% Sodium Azide
Storage	Store at -20°C. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name [DRD5 dopamine receptor D5 \[Homo sapiens \(human\) \]](#)

Official Symbol	DRD5
Synonyms	DRD5; dopamine receptor D5; DBDR; DRD1B; DRD1L2; D(1B) dopamine receptor; dopamine D5 receptor; dopamine receptor D1B; d(5) dopamine receptor; D1beta dopamine receptor;
Entrez Gene ID	1816
Protein Refseq	NP_000789
UniProt ID	P21918
Chromosome Location	4p16.1
Pathway	Amine ligand-binding receptors; Calcium signaling pathway; Dopamine receptors; Dopaminergic synapse
Function	dopamine binding; dopamine neurotransmitter receptor activity; dopamine neurotransmitter receptor activity, coupled via Gs;