



Anti-DRD5 monoclonal antibody (DCABH-11330)

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 of human DRD5 is used for rabbit immunization.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Purification	Protein A
Conjugate	Unconjugated
Applications	Western Blot (Transfected lysate); ELISA
Buffer	In 1x PBS, pH 7.4
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	DRD5 dopamine receptor D5 [Homo sapiens]
Official Symbol	DRD5

Synonyms	DRD5; dopamine receptor D5; DRD1L2; D(1B) dopamine receptor; DRD1B; dopamine D5 receptor; dopamine receptor D1B; d(5) dopamine receptor; D1beta dopamine receptor; DBDR; MGC10601;
Entrez Gene ID	1816
Protein Refseq	NP_000789
UniProt ID	P21918
Chromosome Location	4p16.1
Pathway	Amine ligand-binding receptors, organism-specific biosystem; Calcium signaling pathway, organism-specific biosystem; Calcium signaling pathway, conserved biosystem; Class A/1 (Rhodopsin-like receptors), organism-specific biosystem; Dopamine receptors, organism-specific biosystem; Dopaminergic synapse, organism-specific biosystem; Dopaminergic synapse, conserved biosystem;
Function	G-protein alpha-subunit binding; G-protein coupled receptor activity; dopamine binding; dopamine receptor activity; dopamine receptor activity, coupled via Gs; drug binding; receptor activity; signal transducer activity;