

DRD5 rabbit monoclonal antibody

Catalog # H00001816-K Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human DRD5 peptide using ARM Technology.
Immunogen	A synthetic peptide of human DRD5 is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen (ARM Technology).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human DRD5 peptide by ELISA and mammalian transfected lysate by Western Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including F(ab) ₂ , IgG, scFv and different Fc and non-Fc conjugates per customer request.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

Gene Info — DRD5

Entrez GeneID [1816](#)

GeneBank Accession# [DRD5](#)

Gene Name DRD5

Gene Alias DBDR, DRD1B, DRD1L2, MGC10601

Gene Description dopamine receptor D5

Omim ID [126453](#) [143465](#) [606798](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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. [provided by RefSeq]

Other Designations D1beta dopamine receptor|dopamine receptor D1B

Pathway

- [Calcium signaling pathway](#)
- [Neuroactive ligand-receptor interaction](#)

Disease

- [Alzheimer Disease](#)
- [Amnesia](#)
- [Anorexia Nervosa](#)
- [Antisocial Personality Disorder](#)
- [Attention](#)
- [Attention Deficit and Disruptive Behavior Disorders](#)

- [Attention Deficit Disorder with Hyperactivity](#)
- [Autistic Disorder](#)
- [Birth Weight](#)
- [Blepharospasm](#)
- [Bulimia](#)
- [Cognition](#)
- [Cognition Disorders](#)
- [Conduct Disorder](#)
- [Cues](#)
- [Disease Models](#)
- [Disease Progression](#)
- [Dystonia](#)
- [Dystonic Disorders](#)
- [Genetic Predisposition to Disease](#)
- [Genetics](#)
- [Hallucinations](#)
- [Heroin Dependence](#)
- [Impulse Control Disorders](#)
- [Lymphoma](#)
- [Mental Disorders](#)
- [Mental Status Schedule](#)
- [Migraine Disorders](#)
- [Migraine with Aura](#)
- [Migraine without Aura](#)
- [NARP](#)
- [Neuropsychological Tests](#)

- [Obesity](#)
- [Ovarian Failure](#)
- [Panic Disorder](#)
- [Parkinson disease](#)
- [Personality Inventory](#)
- [Personality Tests](#)
- [Polycystic Ovary Syndrome](#)
- [Psychiatric Status Rating Scales](#)
- [Puberty](#)
- [Schizophrenia](#)
- [Schizophrenic Psychology](#)
- [Substance-Related Disorders](#)
- [Thrombophilia](#)
- [Tobacco Use Disorder](#)
- [Torticollis](#)
- [Weight Gain](#)