

Rabbit Dopamine Receptor D5 Polyclonal Antibody | anti-DRD5 antibody

Anti-Dopamine Receptor D5 antibody

CATALOG # AAA45638	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Western Blot
------------------------------	-----------------------	--	-------------------------------------

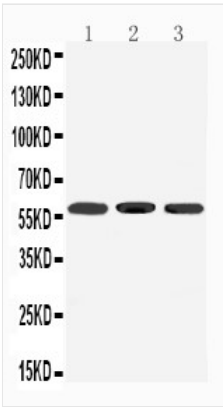
PRODUCT SYNONYMS

Dopamine Receptor D5; Polyclonal Antibody; Anti-Dopamine Receptor D5 antibody; D(1B) dopamine receptor; dopamine receptor D5; D(1B) dopamine receptor antibody; D(5) dopamine receptor antibody; D1 beta dopamine receptor antibody; D1B dopamine receptor antibody; D1beta dopamine receptor antibody; D5 dopamine receptor antibody; DBDR antibody; Dopamine D5 receptor antibody; Dopamine receptor D1B antibody; DRD 1B antibody; DRD 5 antibody; DRD1B antibody; DRD1L2 antibody; DRD5 antibody; DRD5_HUMAN antibody; MGC10601 antibody; anti-DRD5 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	No cross reactivity with other proteins.
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized; Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg NaN ₃ .
Sequence Length	478
Applicable Applications for anti-DRD5 antibody	WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of mouse Dopamine Receptor D5 (388-407aa LISYNQDQTVFHREIAAAYVH), different from the related rat sequence by two amino acids, and from the related human sequence by three amino acids.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

IMAGES



WB (Western Blot)
Anti-Dopamine Receptor D5 antibody, AAA45638, Western blottingAll lanes: Anti Dopamine Receptor D5 (AAA45638) at 0.5ug/mlLane 1: Rat Brain Tissue Lysate at 50ugLane 2: Mouse Brain Rat Brain Tissue Lysate at 50ugLane 3: U87 Whole Cell Lysate at 40ugPredicted bind size: 53KDObserved bind size: 58KD

ADDITIONAL INFORMATION

Related Product Information for anti-DRD5 antibody	Background: D(1B) dopamine receptor(DRD5), also called DRD1B or DRD1L2 is a protein that in humans is encoded by the DRD5 gene. This gene is mapped to 4p16.1. 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. Compared with DRD1, DRD5 displayed a higher affinity for dopamine and was able to stimulate a biphasic rather than a monophasic intracellular accumulation of cAMP.
---	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	47115791
NCBI GeneID	13492
UniProt Accession #	Q8BLD9; Q61439; Q80UB7
NCBI Official Full Name	D(1B) dopamine receptor
NCBI Official Synonym Full Names	dopamine receptor D5
NCBI Official Symbol	Drd5
NCBI Official Synonym Symbols	D5R; Drd-5; Drd1b; Gpcr1
NCBI Protein Information	D(1B) dopamine receptor; D(1B) dopamine receptor; dopamine receptor 5; dopamine D5 receptor; d(5) dopamine receptor
UniProt Protein Name	D(1B) dopamine receptor
UniProt Gene Name	Drd5
UniProt Entry Name	DRD5_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.