

DRD5 Antibody (C-term)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP21293b**Specification**

DRD5 Antibody (C-term) - Product Information

Application	WB, FC,E
Primary Accession	P21918
Reactivity	Human
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Calculated MW	52951

DRD5 Antibody (C-term) - Additional Information**Gene ID** 1816**Other Names**

D(1B) dopamine receptor, D(5) dopamine receptor, D1beta dopamine receptor, Dopamine D5 receptor, DRD5, DRD1B, DRD1L2

Target/Specificity

This DRD5 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 421-456 amino acids from the C-terminal region of human DRD5.

Dilution

WB~~1:2000

FC~~1:25

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

DRD5 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

DRD5 Antibody (C-term) - Protein Information**Name** DRD5**Synonyms** DRD1B, DRD1L2

Function Dopamine receptor whose activity is mediated by G proteins which activate adenylyl cyclase.

Cellular Location

Cell membrane; Multi-pass membrane protein.

Tissue Location

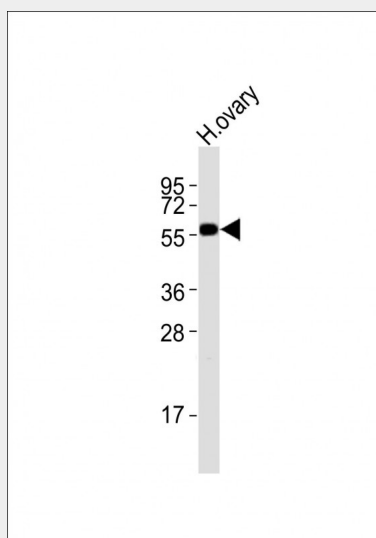
Neuron-specific, localized primarily within limbic regions of the brain.

DRD5 Antibody (C-term) - Protocols

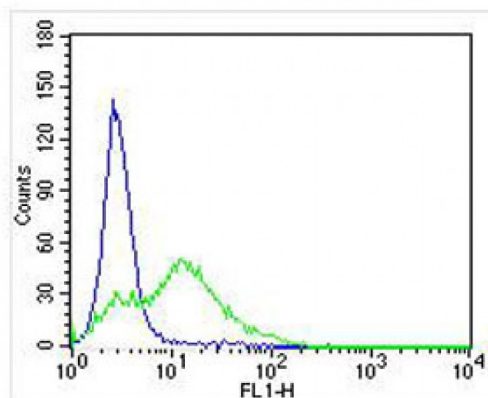
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

DRD5 Antibody (C-term) - Images



Anti-DRD5 Antibody (C-term) at 1:2000 dilution + human ovary lysates. Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 53 kDa. Blocking/Dilution buffer: 5% NFDM/TBST.



Overlay histogram showing U-87 MG cells stained with AP21293b (green line). The cells were fixed with 2% paraformaldehyde (10 min) and then permeabilized with 90% methanol for 10 min. The cells were then incubated in 2% bovine serum albumin to block non-specific protein-protein interactions followed by the antibody (AP21293b, 1:25 dilution) for 60 min at 37°C. The secondary antibody used was Alexa Fluor® 488 goat anti-rabbit IgG (H+L) (1583138) at 1/400 dilution for 40 min at 37°C. Isotype control antibody (blue line) was rabbit IgG1 (1µg/1x10⁶ cells) used under the same conditions. Acquisition of >10,000 events was performed.

DRD5 Antibody (C-term) - Background

Dopamine receptor whose activity is mediated by G proteins which activate adenylyl cyclase.

DRD5 Antibody (C-term) - References

Sunahara R.K., et al. Nature 350:614-619(1991).
Grandy D.K., et al. Proc. Natl. Acad. Sci. U.S.A. 88:9175-9179(1991).
Weinshank R.L., et al. J. Biol. Chem. 266:22427-22435(1991).
Puhl H.L. III, et al. Submitted (JUL-2002) to the EMBL/GenBank/DDBJ databases.
Ota T., et al. Nat. Genet. 36:40-45(2004).