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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

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.

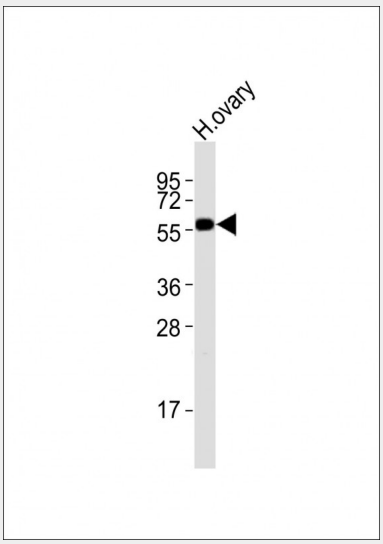
Tissue Location
Neuron-specific, localized primarily within limbic regions of the brain.

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 Cytomety
- 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.

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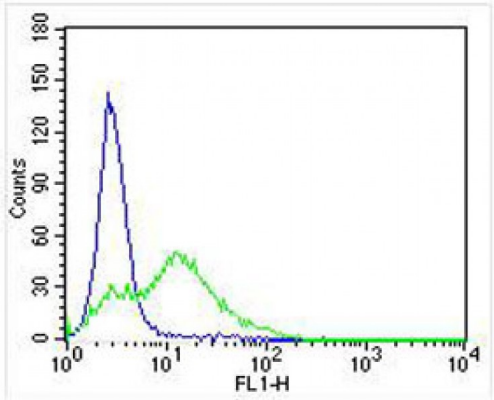

Overlay histogram showing U-87 MG cells stained with AP21293b (green line). The cells were fixed with 2% paraformaldehyde (10 min) and then permeabilized with 90% methanol for 10 min. The cells were then icubated in 2% bovine serum albumin to block non-specific protein-protein interactions followed by the antibody (AP21293b, 1:25 dilution) for 60 min at 37ºC. The secondary antibody used was Alexa Fluor® 488 goat anti-rabbit IgG (H+L) (1583138) at 1/400 dilution for 40 min at 37ºC. Isotype control antibody (blue line) was rabbit IgG1 (1µg/1x10^6 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).
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Ota T.,et al.Nat. Genet. 36:40-45(2004).