10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

DRD2 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP16740b

Specification

DRD2 Antibody (C-term) - Product Information

Application	**WB,E**
Primary Accession	P14416
Other Accession	NP_057658.2, NP_000786.1
Reactivity	**Human**
Predicted	**Mouse**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Antigen Region	**307-336**

DRD2 Antibody (C-term) - Additional Information

Gene ID 1813

Other Names
D(2) dopamine receptor, Dopamine D2 receptor, DRD2

Target/Specificity
This DRD2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 307-336 amino acids from the C-terminal region of human DRD2.

Dilution
WB~~1:2000

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
DRD2 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

DRD2 Antibody (C-term) - Protein Information

Name DRD2

Function Dopamine receptor whose activity is mediated by G proteins which inhibit adenylyl cyclase (PubMed:21645528). Positively regulates postnatal regression of retinal hyaloid vessels via

suppression of VEGFR2/KDR activity, downstream of OPN5 (By similarity).

Cellular Location
Cell membrane; Multi-pass membrane protein. Golgi apparatus membrane; Multi-pass membrane protein

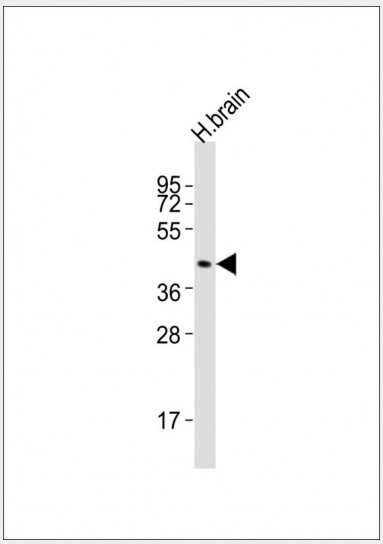
Tissue Location
[Isoform 1]: Expressed in the anterior pituitary gland.

DRD2 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

DRD2 Antibody (C-term) - Images



Anti-DRD2 Antibody (C-term)at 1:2000 dilution + human brain lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 51 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

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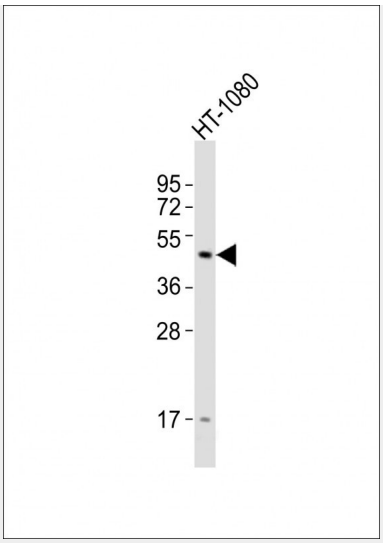
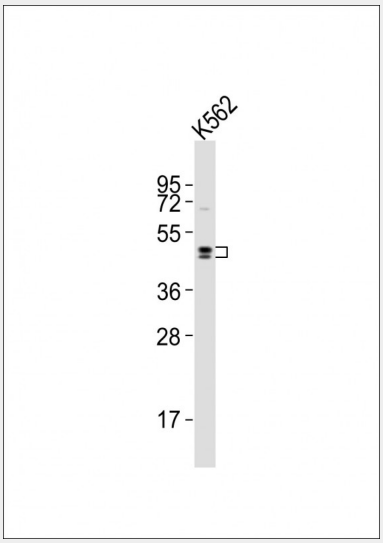


Anti-DRD2 Antibody (C-term)at 1:2000 dilution + HT-1080 whole cell lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 51 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



Anti-DRD2 Antibody (C-term)at 1:1000 dilution + K562 whole cell lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 51 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

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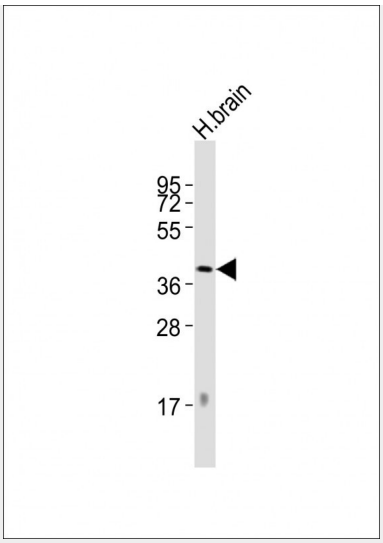
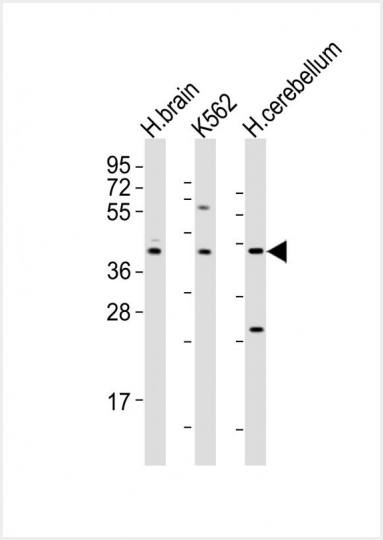


Anti-DRD2 Antibody (C-term)at 1:2000 dilution + human brain lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 51 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



All lanes : Anti-DRD2 Antibody (C-term) at 1:2000 dilution Lane 1: human brain lysates Lane 2: K562 whole cell lysates Lane 3: human cerebellum lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 51 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

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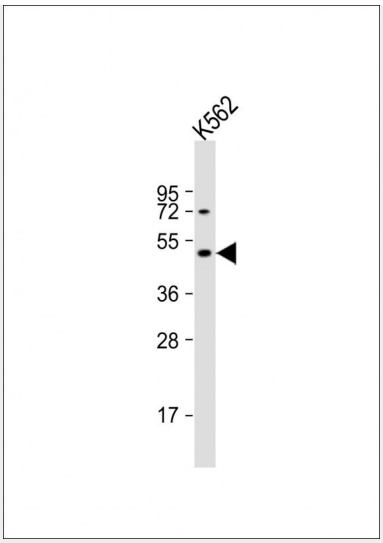
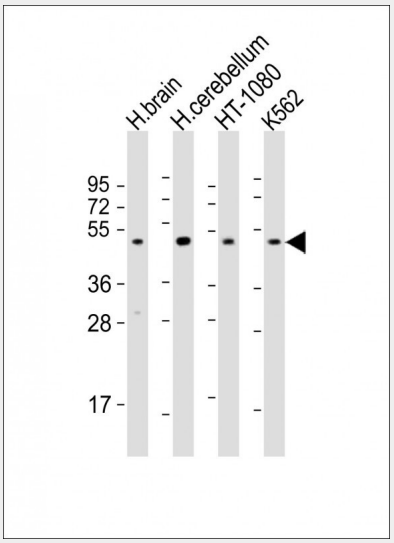


Anti-DRD2 Antibody (C-term) at 1:2000 dilution + K562 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 51 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



All lanes : Anti-DRD2 Antibody (Cterm) at 1:2000 dilution Lane 1: human brain lysate Lane 2: human cerebellum lysate Lane 3: HT-1080 whole cell lysate Lane 4: K562 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 51 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

DRD2 Antibody (C-term) - Background

This gene encodes the D2 subtype of the dopamine receptor. This G-protein coupled receptor inhibits adenylyl cyclase activity. A missense mutation in this gene causes myoclonus dystonia; other mutations have been associated with schizophrenia. Alternative splicing of this gene results in two transcript variants encoding different isoforms. A third variant has been described, but it has not been determined whether this form is normal or due to aberrant splicing.

DRD2 Antibody (C-term) - References

Verma, V., et al. J. Biol. Chem. 285(45):35092-35103(2010)
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