

## DRD2 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP16740b

### Product Information

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<b>Application</b>	WB, E
<b>Primary Accession</b>	<a href="#">P14416</a>
<b>Other Accession</b>	<a href="#">NP_057658.2</a> , <a href="#">NP_000786.1</a>
<b>Reactivity</b>	Human, Mouse
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	Rabbit IgG
<b>Clone Names</b>	RB36373
<b>Calculated MW</b>	50619
<b>Antigen Region</b>	307-336

### Additional Information

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<b>Gene ID</b>	1813
<b>Other Names</b>	D(2) dopamine receptor, Dopamine D2 receptor, DRD2
<b>Target/Specificity</b>	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.
<b>Dilution</b>	WB~~1:1000 E~~Use at an assay dependent concentration.
<b>Format</b>	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.
<b>Storage</b>	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.
<b>Precautions</b>	DRD2 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

### Protein Information

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<b>Name</b>	DRD2
<b>Function</b>	Dopamine receptor whose activity is mediated by G proteins which inhibit adenylyl cyclase (PubMed: <a href="#">21645528</a> ). 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.

## Background

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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.

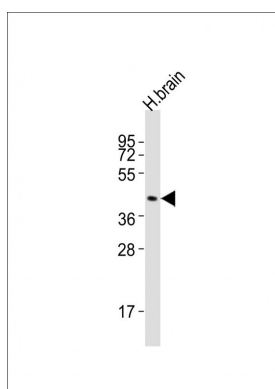
## References

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Verma, V., et al. J. Biol. Chem. 285(45):35092-35103(2010)  
Borrito-Escuela, D.O., et al. Biochem. Biophys. Res. Commun. 401(4):605-610(2010)  
Stelzel, C., et al. J. Neurosci. 30(42):14205-14212(2010)  
Huang, H.Y., et al. J. Formos. Med. Assoc. 109(10):736-739(2010)  
Itokawa, M., et al. J. Pharmacol. Sci. 114(1):1-5(2010)

## Images

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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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.