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DRD2 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP16740b

Product Information

Application	WB, E
Primary Accession	P14416
Other Accession	NP_057658.2, NP_000786.1
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB36373
Calculated MW	50619
Antigen Region	307-336

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~~1:1000 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	DRD2 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

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.

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.

References

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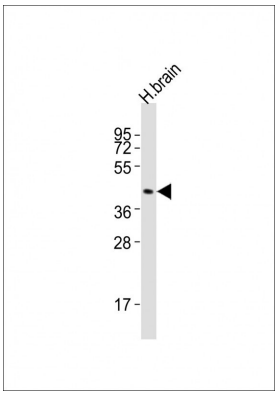
Borroto-Escuela, D.O., et al. Biochem. Biophys. Res. Commun. 401(4):605-610(2010)
Stelzel, C., et al. J. Neurosci. 30(42):14205-14212(2010)
Huang, H.Y., et al. J. Formos. Med. Assoc. 109(10):736-739(2010)
Itokawa, M., et al. J. Pharmacol. Sci. 114(1):1-5(2010)

Images



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.