

DRD2 Rabbit pAb

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Catalog # AP93932

Product Information

Application	WB
Primary Accession	P14416
Reactivity	Mouse, Rat
Predicted	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	50619
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human DRD2
Epitope Specificity	201-300/443
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Cell membrane.
SIMILARITY	Belongs to the G-protein coupled receptor 1 family.
DISEASE	Defects in DRD2 are associated with dystonia type 11 (DYT11) [MIM:159900]; also known as alcohol-responsive dystonia. DYT11 is a myoclonic dystonia. Dystonia is defined by the presence of sustained involuntary muscle contractions, often leading to abnormal postures. DYT11 is characterized by involuntary lightning jerks and dystonic movements and postures alleviated by alcohol. Inheritance is autosomal dominant. The age of onset, pattern of body involvement, presence of myoclonus and response to alcohol are all variable.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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. [provided by RefSeq, Jul 2008]

Additional Information

Gene ID	1813
Other Names	D(2) dopamine receptor, Dopamine D2 receptor, DRD2
Dilution	WB=1:500-2000

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

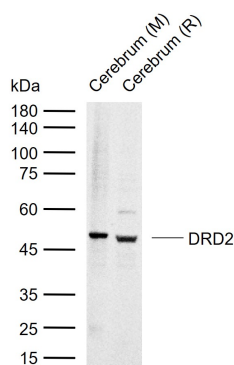
Protein Information

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

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Images



Sample:

Lane 1: Mouse Cerebrum tissue lysates

Lane 2: Rat Cerebrum tissue lysates

Primary: Anti-DRD2 (AP93932) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 51 kDa

Observed band size: 50 kDa

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