D1DR rabbit pAb

Cat#: orb767901 (Manual)

For research use only. Not intended for diagnostic use.

Product Name	D1DR rabbit pAb
Host species	Rabbit
Applications	WB;IHC;IF;ELISA
Species Cross-Reactivity	Human;Mouse;Rat
Recommended dilutions	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/5000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human DRD1. AA range:135-184
Specificity	D1DR Polyclonal Antibody detects endogenous levels of D1DR protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide..
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	D(1A) dopamine receptor
Gene Name	DRD1
Cellular localization	Cell membrane ; Multi-pass membrane protein . Endoplasmic reticulum membrane ; Multi-pass membrane protein . Cell projection, dendrite . Cell projection, dendritic spine . Transport from the endoplasmic reticulum to the cell surface is regulated by interaction with DNAJC14. .
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

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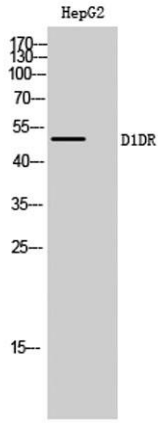
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	50kD
Human Gene ID	1812
Human Swiss-Prot Number	P21728
Alternative Names	DRD1; D(1A) dopamine receptor; Dopamine D1 receptor

Background

This gene encodes the D1 subtype of the dopamine receptor. The D1 subtype is the most abundant dopamine receptor in the central nervous system. This G-protein coupled receptor stimulates adenylyl cyclase and activates cyclic AMP-dependent protein kinases. D1 receptors regulate neuronal growth and development, mediate some behavioral responses, and modulate dopamine receptor D2-mediated events. Alternate transcription initiation sites result in two transcript variants of this gene. [provided by RefSeq, Jul 2008],



Western Blot analysis of HepG2 cells using D1DR Polyclonal Antibody

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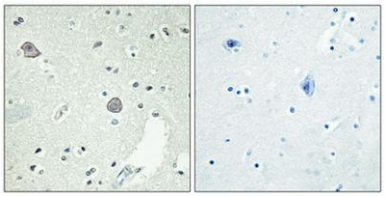
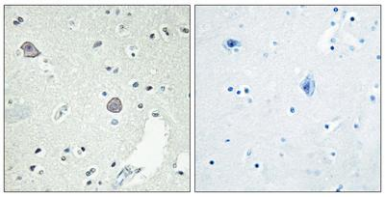


Immunohistochemical analysis of paraffin-embedded Human brain. Antibody was diluted at 1:100(4° overnight). High-pressure and temperature Tris-EDTA,pH8.0 was used for antigen retrieval. Negetive contrl (right) obtaned from antibody was pre-absorbed by immunogen peptide.

Immunofluorescence analysis of MCF7 cells, using DRD1 Antibody. The picture on the right is blocked with the synthesized peptide.



Immunohistochemistry analysis of paraffin-embedded human brain tissue, using DRD1 Antibody. The picture on the right is blocked with the synthesized peptide.

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