

产品名称: D1DR Rabbit Polyclonal Antibody
产品货号: APRab09767



产品概述 (Summary)

产品名称 (Production Name)	D1DR Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,IHC,ICC/IF,ELISA
种属反应性 (Reactivity)	Human,Mouse,Rat

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Polyclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	DRD1
别名 (Alternative Names)	DRD1; D(1A) dopamine receptor; Dopamine D1 receptor
基因 ID (Gene ID)	1812.0
蛋白 ID (SwissProt ID)	P21728.The antiserum was produced against synthesized peptide derived from human DRD1. AA range:135-184

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:200-1:1000,ELISA 1:5000-1:10000
蛋白分子量 (Molecular Weight)	50kDa

研究背景 (Background)

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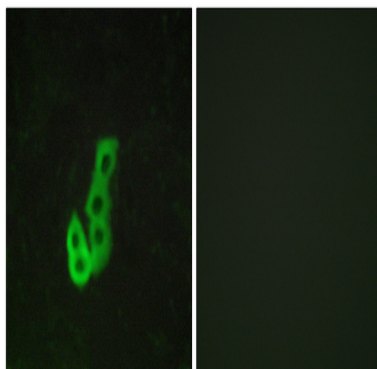


This gene encodes the D1 subtype of the dopamine receptor. The D1 subtype is the most abundant dopamine receptor in the central nervous system. This G-protein coupled receptor stimulates adenylyl cyclase and activates cyclic AMP-dependent protein kinases. D1 receptors regulate neuronal growth and development, 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],function:This is one of the five types (D1 to D5) of receptors for dopamine. The activity of this receptor is mediated by G proteins which activate adenylyl cyclase.,similarity:Belongs to the G-protein coupled receptor 1 family.,subcellular location:Transport from the endoplasmic reticulum to the cell surface is regulated by interaction with DNAJC14.,subunit:Interacts with DNAJC14 via its C-terminus (By similarity). Interacts with DRD1IP.,tissue specificity:Detected in caudate, nucleus accumbens and in the olfactory tubercle.,

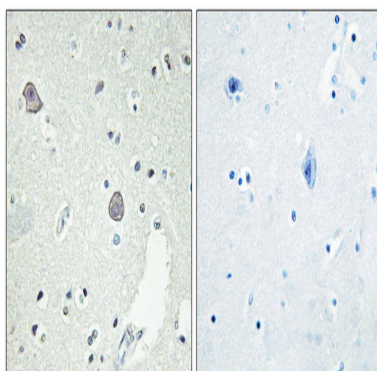
研究领域 (Research Area)

Calcium;Neuroactive ligand-receptor interaction;Gap junction;

图片 (Image Data)

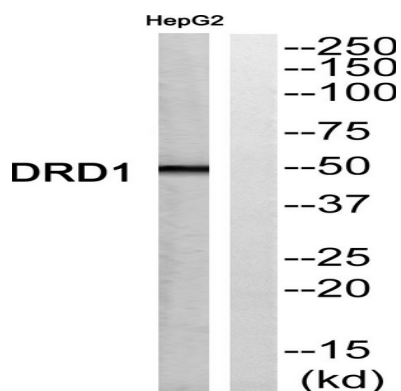


Immunofluorescence analysis of MCF7 cells, using DRD1 Antibody. The picture on the right is blocked with the synthesized peptide.

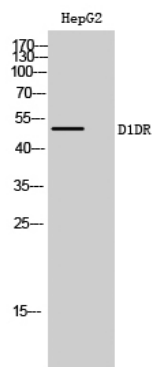


Immunohistochemistry analysis of paraffin-embedded human brain tissue, using DRD1 Antibody. The picture on the right is blocked with the synthesized peptide.

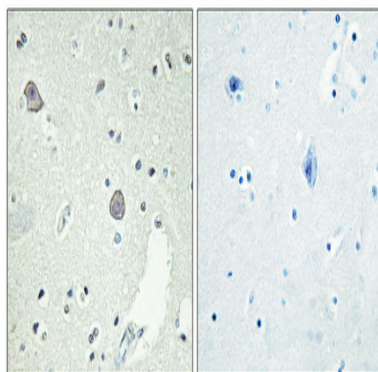
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Western blot analysis of DRD1 Antibody. The lane on the right is blocked with the DRD1 peptide.



Western Blot analysis of HepG2 cells using D1DR Polyclonal Antibody



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. Negative contrl (right) obtained from antibody was pre-absorbed by immunogen peptide.

注意事项 (Note)

For research use only .