

产品名称: D4DR Rabbit Polyclonal Antibody
产品货号: APRab09770



产品概述 (Summary)

产品名称 (Production Name)	D4DR Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB, 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)	DRD4
别名 (Alternative Names)	DRD4; D(4) dopamine receptor; D(2C) dopamine receptor; Dopamine D4 receptor
基因 ID (Gene ID)	1815.0
蛋白 ID (SwissProt ID)	P21917. The antiserum was produced against synthesized peptide derived from human DRD4. AA range: 355-404

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000, ICC/IF 1:200-1:1000, ELISA 1:20000-1:40000
蛋白分子量 (Molecular Weight)	48kDa

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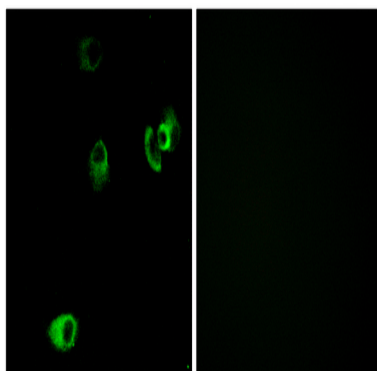
研究背景 (Background)

This gene encodes the D4 subtype of the dopamine receptor. The D4 subtype is a G-protein coupled receptor which inhibits adenylyl cyclase. It is a target for drugs which treat schizophrenia and Parkinson disease. Mutations in this gene have been associated with various behavioral phenotypes, including autonomic nervous system dysfunction, attention deficit/hyperactivity disorder, and the personality trait of novelty seeking. This gene contains a polymorphic number (2-10 copies) of tandem 48 nt repeats; the sequence shown contains four repeats. [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 inhibit adenylyl cyclase.,polymorphism:The number of repeats of 16 amino acids in the third cytoplasmic loop is highly polymorphic and varies among different alleles. Alleles corresponding in size to a 2 (D4.2), 3 (D4.3), 4 (D4.4), 5 (D4.5), 6 (D4.6), 7 (D4.7) and 9 (D4.9) repeats have been described. The sequence shown is that of allele D4.7. The polymorphic repeat sequence has little influence on DRD4-binding profiles and might not be essential for G protein interaction.,similarity:Belongs to the G-protein coupled receptor 1 family.,subunit:Interacts with CLIC6 (By similarity) and GPRASP1.,

研究领域 (Research Area)

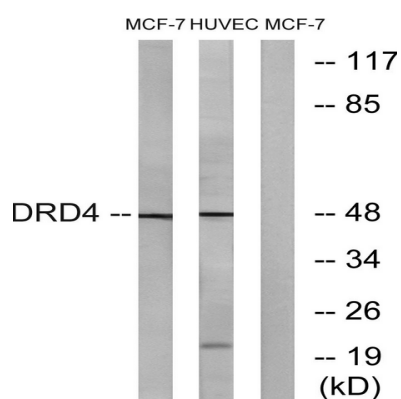
Neuroactive ligand-receptor interaction;

图片 (Image Data)

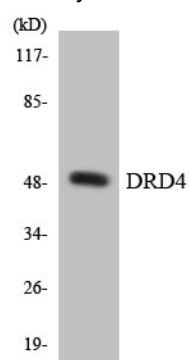


Immunofluorescence analysis of MCF7 cells, using DRD4 Antibody. The picture on the right is blocked with the synthesized peptide.

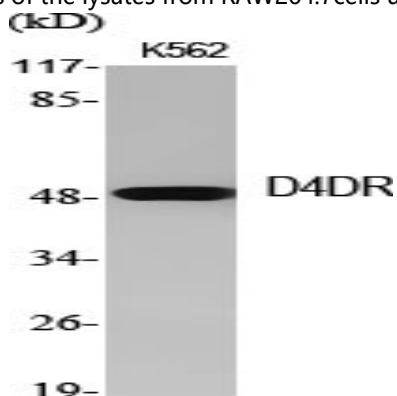
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Western blot analysis of lysates from MCF-7 and HUVEC cells, using DRD4 Antibody. The lane on the right is blocked with the synthesized peptide.

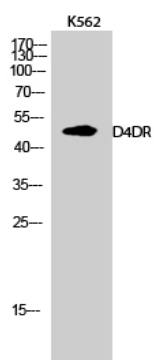


Western blot analysis of the lysates from RAW264.7 cells using DRD4 antibody.



Western Blot analysis of various cells using D4DR Polyclonal Antibody

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Western Blot analysis of K562 cells using D4DR Polyclonal Antibody

注意事项 (Note)

For research use only .