



D4DR rabbit pAb

Cat No.:ES2137

For research use only

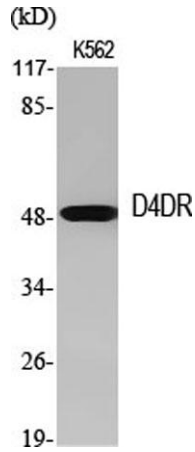
Overview

Product Name	D4DR rabbit pAb
Host species	Rabbit
Applications	WB;IF;ELISA
Species Cross-Reactivity	Human;Mouse;Rat
Recommended dilutions	Western Blot: 1/500 - 1/2000. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/40000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human DRD4. AA range:355-404
Specificity	D4DR Polyclonal Antibody detects endogenous levels of D4DR 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(4) dopamine receptor
Gene Name	DRD4
Cellular localization	Cell membrane ; Multi-pass membrane protein .
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	48kD
Human Gene ID	1815
Human Swiss-Prot Number	P21917
Alternative Names	DRD4; D(4) dopamine receptor; D(2C) dopamine receptor; Dopamine D4 receptor
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

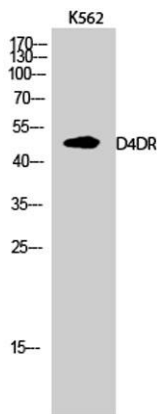




associated with various behavioral phenotypes, including autonomic nervous system dysfunction, attention deficit/hyperactivity disorder, and the personality trait of novelty seeking. This gene contains a polymorphic number (2-10 copies) of tandem 48 nt repeats; the sequence shown contains four repeats. [provided by RefSeq, Jul 2008],

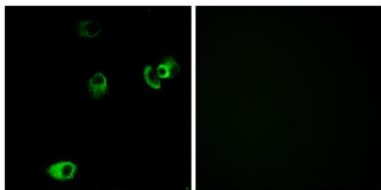


Western Blot analysis of various cells using D4DR Polyclonal Antibody



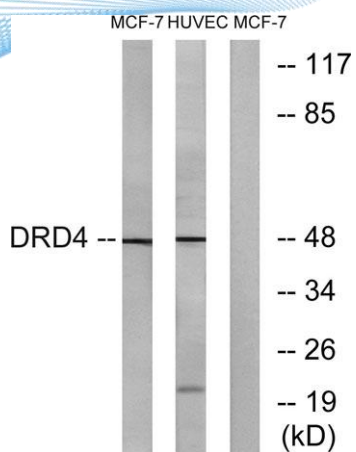
Western Blot analysis of K562 cells using D4DR Polyclonal Antibody

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.



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