

For Research Use Only

DRD4 Polyclonal antibody

Catalog Number: 28094-1-AP **1 Publications**



Basic Information

Catalog Number: 28094-1-AP	GenBank Accession Number: NM_000797	Purification Method: Antigen affinity purification
Size: 1000 µg/ml	GeneID (NCBI): 1815	Recommended Dilutions: WB 1:200-1:1000
Source: Rabbit	UNIPROT ID: P21917	
Isotype: IgG	Full Name: dopamine receptor D4	
Immunogen Catalog Number: AG26930	Calculated MW: 44 kDa	
	Observed MW: 40-44 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : mouse brain tissue, pig brain tissue
Cited Applications: IF	
Species Specificity: Human, Pig, mouse	
Cited Species: rat	

Background Information

The family of dopamine receptors (DRs) includes five G protein-coupled receptors (GPCRs)-DRD1, DRD2, DRD3, DRD4 and DRD5-with different anatomical distribution, expression levels, dopamine affinity, signal transduction, and effector targets (PMID:36523297). DRD4 (dopamine receptor D4) influences the postsynaptic action of dopamine and is implicated in many neurological processes, exhibits polymorphism and is one of the most studied genes in connection with psychiatric disorders (PMID:21873960). Moreover, DRD4 modulate glucose metabolism, and protect neurocytes from anoxia/reoxygenation (A/R) injury. Thus, DRD4 might regulate myocardial I/R injury in association with GLUT4-mediated glucose metabolism (PMID:33584304).

Notable Publications

Author	Pubmed ID	Journal	Application
Muhuo Ji	32019903	Aging (Albany NY)	IF

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

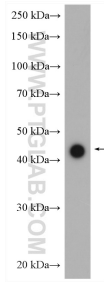
T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.com

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Selected Validation Data



mouse brain tissue were subjected to SDS PAGE followed by western blot with 28094-1-AP (DRD4 antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.