

For Research Use Only

# DRD4 Polyclonal antibody

Catalog Number: 28094-1-AP

1 Publications



## Basic Information

<b>Catalog Number:</b> 28094-1-AP	<b>GenBank Accession Number:</b> NM_000797	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 1000 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 1815	<b>Recommended Dilutions:</b> WB 1:200-1:1000
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P21917	
<b>Isotype:</b> IgG	<b>Full Name:</b> dopamine receptor D4	
<b>Immunogen Catalog Number:</b> AG26930	<b>Calculated MW:</b> 44 kDa	
	<b>Observed MW:</b> 40-44 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : mouse brain tissue, pig brain tissue
<b>Cited Applications:</b> IF	
<b>Species Specificity:</b> Human, Pig, mouse	
<b>Cited Species:</b> 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

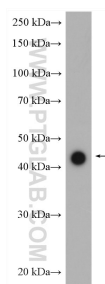
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

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