

# Dopamine Receptor D1 Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP51944

## Product Information

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<b>Application</b>	WB
<b>Primary Accession</b>	<a href="#">P21728</a>
<b>Reactivity</b>	Human, Mouse, Rat
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Calculated MW</b>	49293

## Additional Information

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<b>Gene ID</b>	1812
<b>Other Names</b>	D(1A) dopamine receptor, Dopamine D1 receptor, DRD1
<b>Target/Specificity</b>	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human Dopamine Receptor D1. The exact sequence is proprietary.
<b>Dilution</b>	WB~~1:1000
<b>Format</b>	0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%
<b>Storage</b>	Store at -20 °C. Stable for 12 months from date of receipt

## Protein Information

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<b>Name</b>	DRD1
<b>Function</b>	Dopamine receptor whose activity is mediated by G proteins which activate adenylyl cyclase. Forms heterotetramers with DRD3 to potentiate beta-arrestin recruitment and mediate locomotor activity.
<b>Cellular Location</b>	Cell membrane {ECO:0000250 UniProtKB:P18901}; Multi-pass membrane protein {ECO:0000250 UniProtKB:P18901}. Endoplasmic reticulum membrane {ECO:0000250 UniProtKB:P18901}; Multi-pass membrane protein {ECO:0000250 UniProtKB:P18901}. Cell projection, cilium membrane; Multi-pass membrane protein. Cell projection, dendrite {ECO:0000250 UniProtKB:Q61616}. Cell projection, dendritic spine {ECO:0000250 UniProtKB:Q61616}. Note=Transport from the endoplasmic reticulum to the cell surface is regulated by interaction with DNAJC14 {ECO:0000250 UniProtKB:P18901}
<b>Tissue Location</b>	Detected in caudate, nucleus accumbens and in the olfactory tubercle.

## Background

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Dopamine receptor whose activity is mediated by G proteins which activate adenylyl cyclase.

## References

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Dearry A.,et al.Nature 347:72-76(1990).  
Zhou Q.-Y.,et al.Nature 347:76-80(1990).  
Sunahara R.K.,et al.Nature 347:80-83(1990).  
Ohara K.,et al.Neuropharmacology 8:131-135(1993).  
Suwa M.,et al.Submitted (JUL-2001) to the EMBL/GenBank/DDBJ databases.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.