

Dopamine Receptor D1 Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP51944

Product Information

Application	WB
Primary Accession	P21728
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	49293

Additional Information

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

Protein Information

Name	DRD1
Function	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.
Cellular Location	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}
Tissue Location	Detected in caudate, nucleus accumbens and in the olfactory tubercle.

Background

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

References

Deary 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.Neuropsychopharmacology 8:131-135(1993).
Suwa M.,et al.Submitted (JUL-2001) to the EMBL/GenBank/DDBJ databases.

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