

Dopamine Receptor D1 Rabbit mAb

Catalog # AP77651

Product Information

Application	WB
Primary Accession	P21728
Reactivity	Rat, Human, Mouse
Host	Rabbit
Clonality	Monoclonal Antibody
Isotype	IgG
Conjugate	Unconjugated
Immunogen	A synthesized peptide derived from human DRD1
Purification	Affinity Chromatography
Calculated MW	49293

Additional Information

Gene ID	1812
Other Names	DRD1
Dilution	WB~1/500-1/1000
Format	Liquid in 10mM PBS, pH 7.4, 150mM sodium chloride, 0.05% BSA, 0.02% sodium azide and 50% glycerol.
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

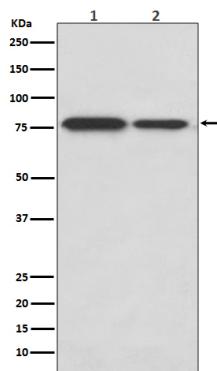
Protein Information

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.

Images



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