

Rabbit Anti-Dopamine Receptor D1/Cy5.5 Conjugated antibody

SL10610R-Cy5. 5

Product Name	Anti-Dopamine Receptor D1/Cy5.5
Chinese Name	Cy5.5 标记的多巴胺受体 D1 抗体
Alias	DRD1; dopamine D1 receptor; D(1A) dopamine receptor; D1A dopamine receptor; Dopamine D1Receptors; D1DR; DADR; Dopamine Receptor D1; DR D1; DR D1A; DRD 1; DRD1 receptor; DRD1; DRD1A; DRD1_HUMAN; D(1A) dopamine receptor; DRD 1A; DRD1.
Research Area	Tumour immunology Neurobiology
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	Human,Rat
Applications	Flow-Cyt=1µg/Test,IF=1:100-500 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight	50kDa
Form	Lyophilized or Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human Dopamine Receptor D1
Lsotype	IgG
Purification	affinity purified by Protein A
Storage Buffer	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Storage	
Product Detail	background: This gene encodes the D1 subtype of the dopamine receptor. The D1 subtype is the most abundant dopamine receptor in the central nervous system. This

G-protein coupled receptor stimulates adenylyl cyclase and activates cyclic AMP-dependent protein kinases. D1 receptors regulate neuronal growth and development, mediate some behavioral responses, and modulate dopamine receptor D2-mediated events. Alternate transcription initiation sites result in two transcript variants of this gene. [provided by RefSeq, Jul 2008]

Function:

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

Subunit:

Interacts with DNAJC14 via its C-terminus. Interacts with DRD1IP.

Subcellular Location:

Cell membrane; Multi-pass membrane protein. Endoplasmic reticulum membrane; Multi-pass membrane protein.

Tissue Specificity:

Detected in caudate, nucleus accumbens and in the olfactory tubercle.

Similarity:

Belongs to the G-protein coupled receptor 1 family.

Database links:

[Entrez Gene: 1812](#) Human

[Entrez Gene: 13488](#) Mouse

[Entrez Gene: 24316](#) Rat

[Omim: 126449](#) Human

[SwissProt: P21728](#) Human

[SwissProt: Q61616](#) Mouse

[SwissProt: P18901](#) Rat

[Unigene: 2624](#) Human

[Unigene: 54161](#) Mouse

[Unigene: 24039](#) Rat



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