SunLong Biotech Co.,LTD
Tel: 0086-571-56623320 Fax:0086-571-56623318
E-mail:sales@sunlongbiotech.com
www.sunlongbiotech.com

Rabbit Anti-DRD1 antibody

SL10612R

Product Name	DRD1
Chinese Name	多巴胺受体 D1 抗体
Alias	dopamine D1 receptor; D(1A) dopamine receptor; D1A dopamine receptor; Dopamine D1Recep DADR; Dopamine Receptor D1; DR D1; DR D1A; DRD 1; DRD1 receptor; DRD1A; DRD1_H 1A.
Research Area	Tumour immunology Neurobiology
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	Mouse, Rat,
Applications	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,Flow-Cyt=1μg/Test （Paraffin sections nee repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Theoretical molecular weight	50kDa
Detection molecular weight	65-80 kDa
Cellular localization	cytoplasmic The cell membrane
Form	Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from mouse Dopamine Receptor D1: 101-200/446 <I
Lsotype	IgG
Purification	affinity purified by Protein A
Buffer Solution	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.
Storage	Shipped at 4℃. Store at -20 ℃ for one year. Avoid repeated freeze/thaw cycles.

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Attention

This product as supplied is intended for research use only, not for use in human, therapeutic or d applications.

PubMed

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This gene encodes the D1 subtype of the dopamine receptor. The D1 subtype is the most abunda receptor in the central nervous system. This G-protein coupled receptor stimulates adenylyl cyclas cyclic AMP-dependent protein kinases. D1 receptors regulate neuronal growth and development behavioral responses, and modulate dopamine receptor D2-mediated events. Alternate transcript sites result in two transcript variants of this gene. [provided by RefSeq, Jul 2008]

Product Detail

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 m protein.

Tissue Specificity:
Detected in caudate, nucleus accumbens and in the olfactory tubercle.

Similarity:
Belongs to the G-protein coupled receptor 1 family.

SWISS:
P21728

Gene ID:
1812

Database links:

Entrez Gene: 1812 Human

Entrez Gene: 13488 Mouse

Entrez Gene: 24316 Rat

Omim: 126449 Human

SwissProt: P21728 Human

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SwissProt: Q61616 Mouse

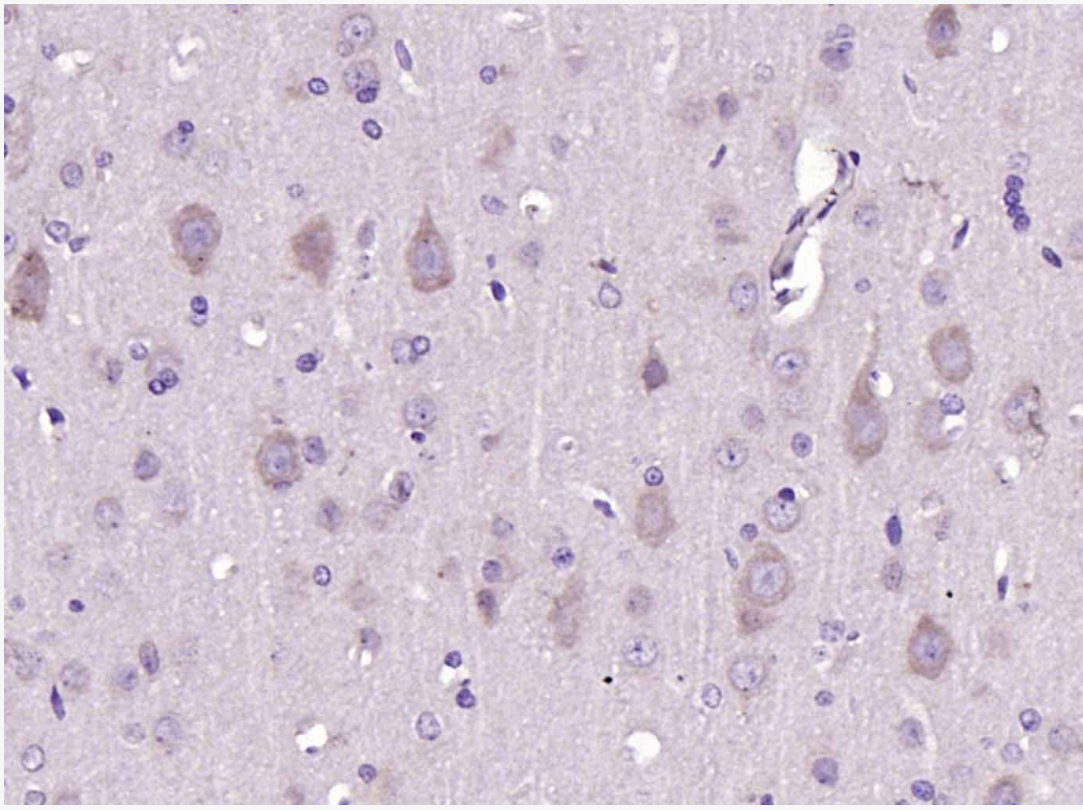
SwissProt: P18901 Rat

Unigene: 2624 Human

Unigene: 54161 Mouse

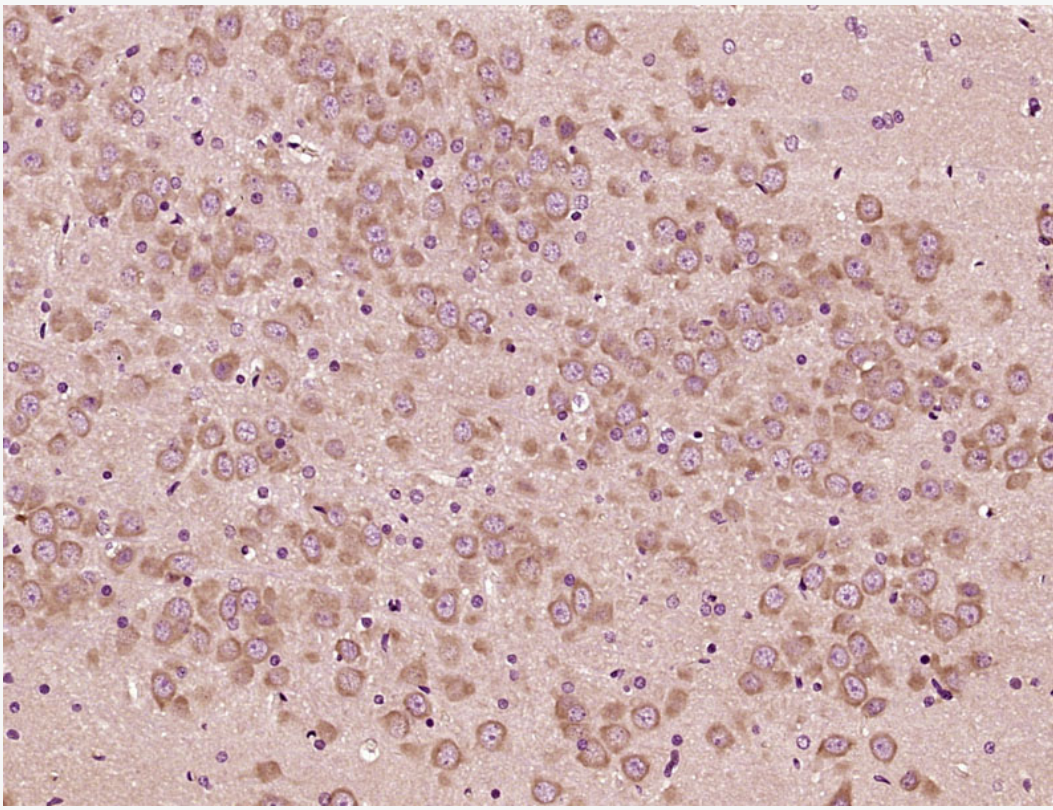
Unigene: 24039 Rat

Product Picture



Paraformaldehyde-fixed, paraffin embedded (rat brain); Antigen retrieval by boiling in sodium
(pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Bl
(normal goat serum) at 37°C for 30min; Antibody incubation with (Dopamine Receptor D1) P
Antibody, Unconjugated (SL10612R) at 1:200 overnight at 4°C, followed by operating accord

Kit(Rabbit) (sp-0023) instructionsand DAB staining.



Paraformaldehyde-fixed, paraffin embedded (Rat brain); Antigen retrieval by boiling in sodiu
buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minu
buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Dopamine Receptor
Polyclonal Antibody, Unconjugated (SL10612R) at 1:400 overnight at 4°C, followed by opera
according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.

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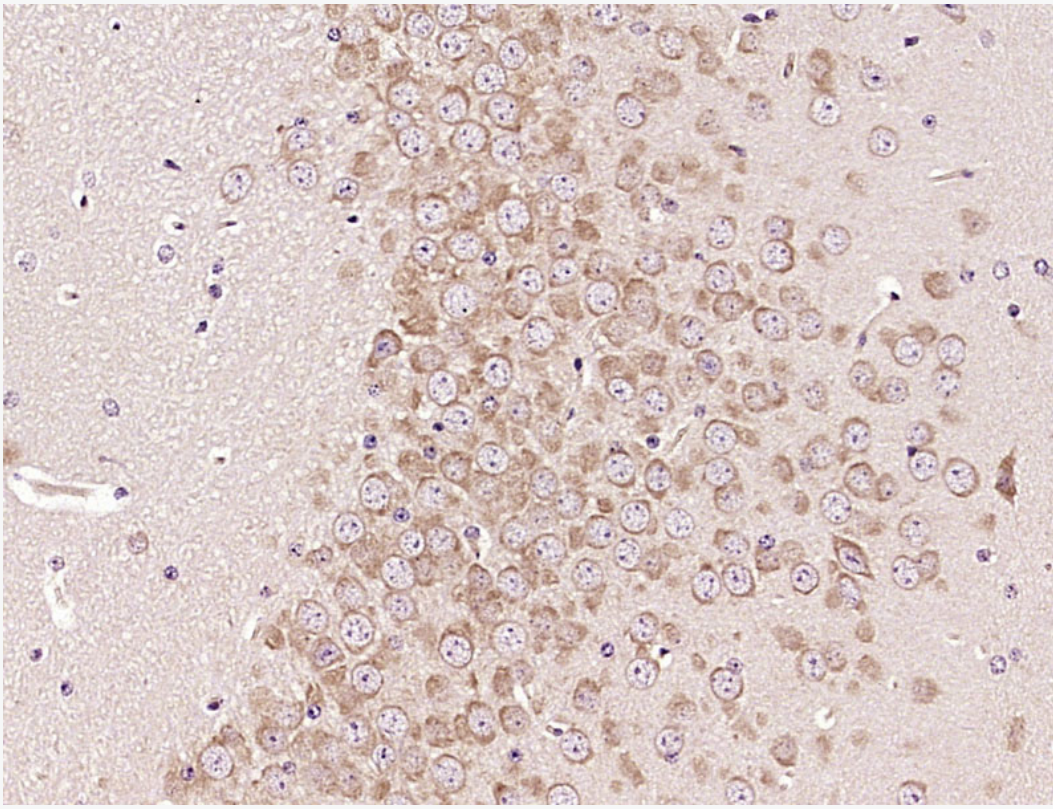

Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in so buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minu buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Dopamine Receptor Polyclonal Antibody, Unconjugated (SL10612R) at 1:400 overnight at 4°C, followed by opera according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.

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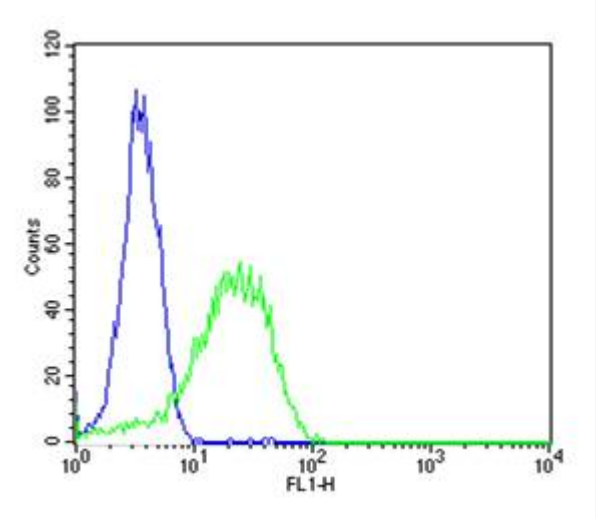

Cell: Neuro-2a

Concentration:1:100

Host/Isotype:Rabbit/IgG

Flow cytometric analysis of Rabbit IgG isotype control (Cat#: SL10612R) on Neuro-2a(green

with control in the absence of primary antibody (blue) followed by Alexa Fluor 488-conjugate

anti-rabbit IgG(H+L) secondary antibody .

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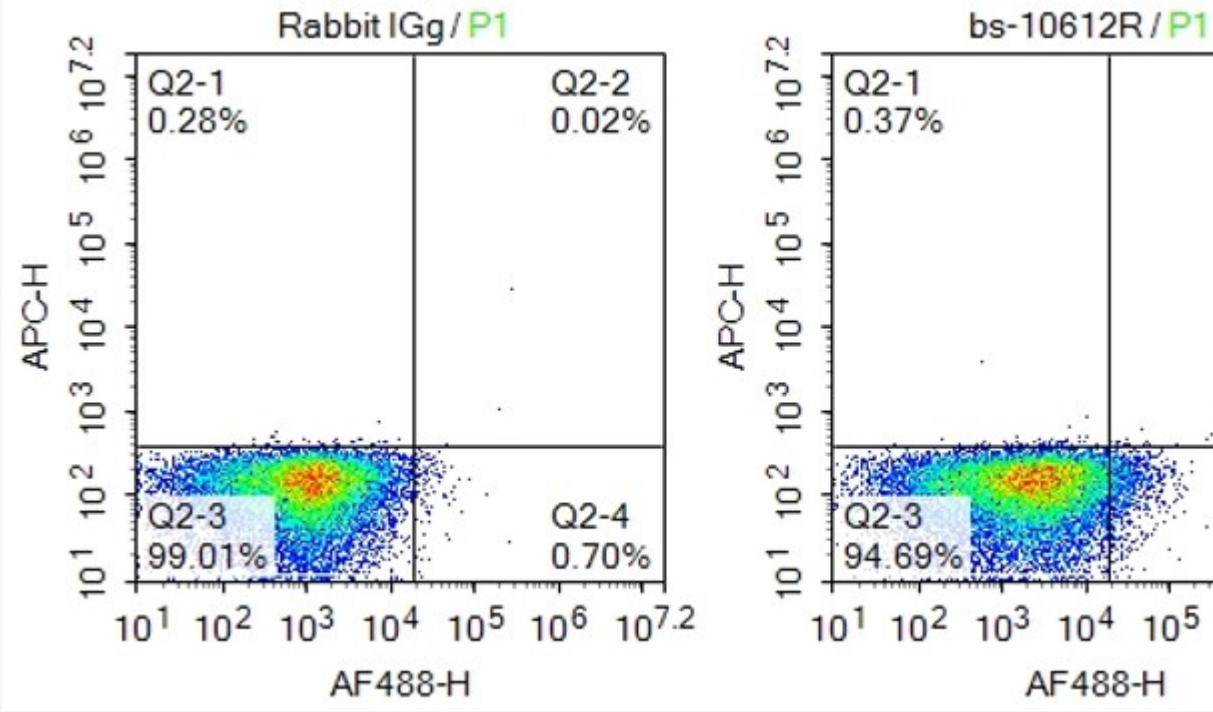

Blank control:Mouse brain.

Primary Antibody (green line): Rabbit Anti-Dopamine Receptor D1 antibody (SL10612R)

Dilution: 2μg /10^6 cells;

Isotype Control Antibody (orange line): Rabbit IgG .

Secondary Antibody : Goat anti-rabbit IgG-AF488

Dilution: 1μg /test.

Protocol

The cells were incubated in 5%BSA to block non-specific protein-protein interactions for 30 r

temperature .Cells stained with Primary Antibody for 30 min at room temperature. The second

used for 40 min at room temperature. Acquisition of 20,000 events was performed.