

ARG43269 anti-DRD1 / Dopamine Receptor D1 antibody

Package: 50 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes DRD1 / Dopamine Receptor D1
Tested Reactivity	Hu, Ms, Rat
Tested Application	ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	DRD1 / Dopamine Receptor D1
Species	Human
Immunogen	Recombinant protein of Human DRD1 / Dopamine Receptor D1.
Conjugation	Un-conjugated
Alternate Names	DADR; DRD1A; D(1A) dopamine receptor; Dopamine D1 receptor

Application Instructions

Application table	Application	Dilution
	ICC/IF	1:100 - 1:500
	IHC-P	1:50 - 1:200
	WB	1:500 - 1:1000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	Mouse kidney	
Observed Size	~ 74 kDa	

Properties

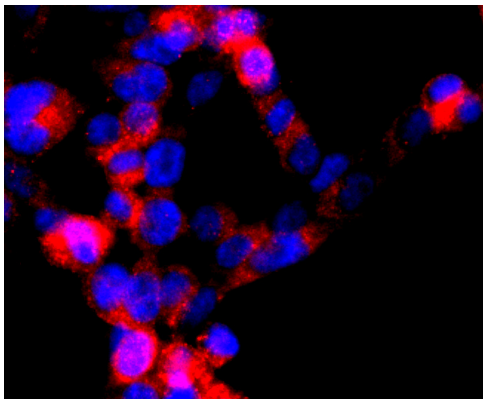
Form	Liquid
Purification	Purification with Protein A.
Buffer	PBS (pH 7.2), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

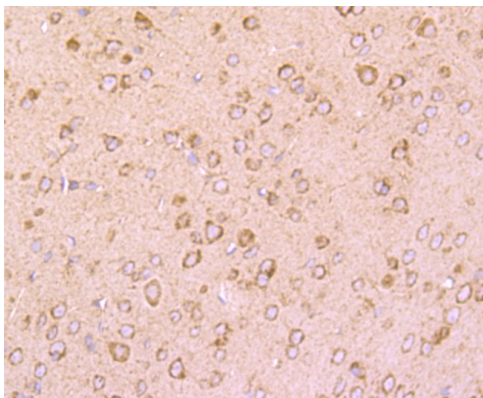
Gene Symbol	DRD1
Gene Full Name	dopamine receptor D1
Background	This gene encodes the D1 subtype of the dopamine receptor. The D1 subtype is the most abundant dopamine receptor in the central nervous system. This G-protein coupled receptor stimulates adenylyl cyclase and activates cyclic AMP-dependent 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. [UniProt]
Calculated Mw	49 kDa
Cellular Localization	Cell membrane; Multi-pass membrane protein. Endoplasmic reticulum membrane; Multi-pass membrane protein. Note=Transport from the endoplasmic reticulum to the cell surface is regulated by interaction with DNAJC14. [UniProt]

Images



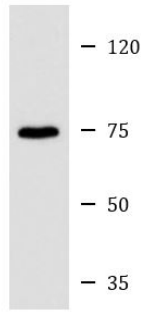
ARG43269 anti-DRD1 / Dopamine Receptor D1 antibody ICC/IF image

Immunofluorescence: 293T cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS. Cells were stained with ARG43269 anti-DRD1 / Dopamine Receptor D1 antibody (red). DAPI (blue) for nuclear staining.



ARG43269 anti-DRD1 / Dopamine Receptor D1 antibody IHC-P image

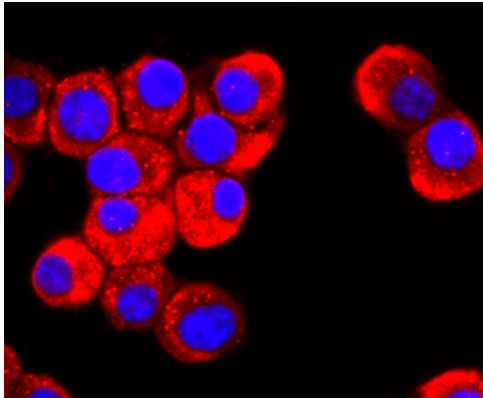
Immunohistochemistry: Paraffin-embedded Mouse brain tissue stained with ARG43269 anti-DRD1 / Dopamine Receptor D1 antibody. Counter stained with hematoxylin.



Mouse kidney

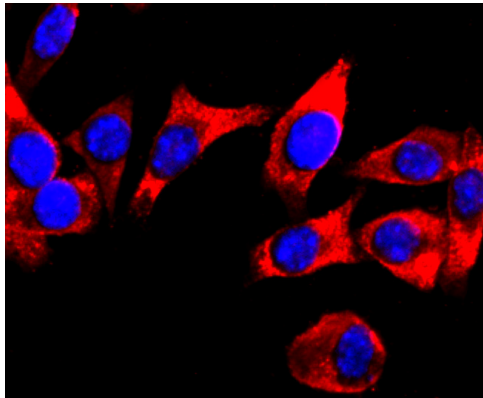
ARG43269 anti-DRD1 / Dopamine Receptor D1 antibody WB image

Western blot: Mouse kidney lysate stained with ARG43269 anti-DRD1 / Dopamine Receptor D1 antibody at 1:500 dilution.



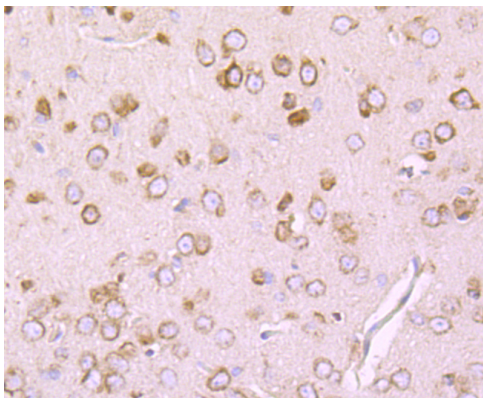
ARG43269 anti-DRD1 / Dopamine Receptor D1 antibody ICC/IF image

Immunofluorescence: Neuro-2a cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS. Cells were stained with ARG43269 anti-DRD1 / Dopamine Receptor D1 antibody (red). DAPI (blue) for nuclear staining.



ARG43269 anti-DRD1 / Dopamine Receptor D1 antibody ICC/IF image

Immunofluorescence: SH-SY5Y cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS. Cells were stained with ARG43269 anti-DRD1 / Dopamine Receptor D1 antibody (red). DAPI (blue) for nuclear staining.



ARG43269 anti-DRD1 / Dopamine Receptor D1 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Rat brain tissue stained with ARG43269 anti-DRD1 / Dopamine Receptor D1 antibody. Counter stained with hematoxylin.