bs-10612R

[Primary Antibody]

DRD1 Rabbit pAb



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Host: Rabbit	Isotype: IgG	Applications: IHC-P (1:100-500)
Clonality: Polyclonal		IHC-F (1:100-500) IF (1:100-500)
GenelD: 13488	SWISS: Q61616	Flow-Cyt (1µg/Test)
Target: DRD1		Reactivity: Mouse. Rat
Immunogen: KLH conjugated s Receptor D1: 101-	ynthetic peptide derived from mouse Dop 200/446. < Extracellular >	pamine
Purification: affinity purified by	y Protein A	
Concentration: 1mg/ml		Predicted MW.: ^{50 kDa}
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.		Subcellular Location: ^{Cell} membrane ,Cytoplasm
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		or. The e central es

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]

– VALIDATION IMAGES



Paraformaldehyde-fixed, paraffin embedded (rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Dopamine Receptor D1) Polyclonal Antibody, Unconjugated (bs-10612R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.



Blank control:Mouse brain. Primary Antibody (green line): Rabbit Anti-Dopamine Receptor D1 antibody (bs-10612R) Dilution: 2µg /10^6 cells; Isotype Control Antibody (orange line): Rabbit IgG . Secondary Antibody : Goat anti-rabbit IgG-



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Cell: Neuro-2a Concentration:1:100 Host/Isotype:Rabbit/IgG Flow cytometric analysis of Rabbit IgG isotype control (Cat#: bs-10612R) on Neuro-2a(green) compared with control in the absence of primary antibody (blue) followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG(H+L) secondary antibody. AF488 Dilution: 1µg /test. Protocol The cells were incubated in 5%BSA to block non-specific protein-protein interactions for 30 min at room temperature .Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.

- SELECTED CITATIONS -

• **[IF=4.01]** Wang YH et al. Isosibiricin inhibits microglial activation by targeting the dopamine D1/D2 receptor-dependent NLRP3/caspase-1 inflammasome pathway. Acta Pharmacol Sin. 2019 Sep 10. WB,IHC ;Mouse. 31506572