

**bs-10610R****[ Primary Antibody ]****DRD1 Rabbit pAb****BioSS**  
**ANTIBODIES**

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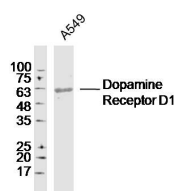
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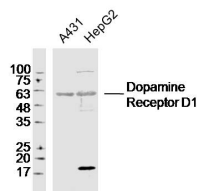
400-901-9800

**DATASHEET****Host:** Rabbit**Isotype:** IgG**Clonality:** Polyclonal**GeneID:** 1812**SWISS:** P21728**Target:** DRD1**Immunogen:** KLH conjugated synthetic peptide derived from human Dopamine Receptor D1: 11-100/446. < Extracellular >**Purification:** affinity purified by Protein A**Concentration:** 1mg/ml**Storage:** 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

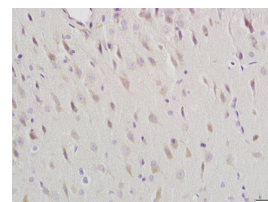
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

**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]**Applications:** WB (1:500-2000)**IHC-P** (1:100-500)**IHC-F** (1:100-500)**IF** (1:100-500)**Flow-Cyt** (1µg/Test)**Reactivity:** Human, Rat**Predicted MW.:** 50 kDa**Subcellular Location:** Cell membrane ,Cytoplasm**VALIDATION IMAGES**

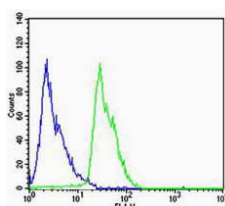
Sample: A549 Cell (Human) Lysate at 40 µg  
 Primary: Anti-Dopamine Receptor D1 (bs-10610R) at 1/300 dilution  
 Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution  
 Predicted band size: 50 kDa  
 Observed band size: 60 kDa



Sample: A431 Cell (Human) Lysate at 40 µg  
 HepG2 Cell (Human) Lysate at 40 µg  
 Primary: Anti-Dopamine Receptor D1 (bs-10610R) at 1/300 dilution  
 Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution  
 Predicted band size: 50 kDa  
 Observed band size: 60 kDa



Tissue/cell: rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15 min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30 min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Incubation: Anti-Dopamine Receptor D1 Polyclonal Antibody, Unconjugated (bs-10610R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody (SP-0023) and DAB (C-0010) staining



Cell: SH-SY5Y Concentration: 1:100  
 Host/Isotype: Rabbit/IgG Flow cytometric analysis of Rabbit IgG isotype control (Cat#: bs-10610R) on SH-SY5Y (green) compared with

**Important Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

control in the absence of primary antibody  
(blue) followed by Alexa Fluor 488-conjugated  
goat anti-rabbit IgG(H+L) secondary antibody .

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## — SELECTED CITATIONS —

- **[IF=3.322]** Hua-chun Miao. et al. Expression changes of c-Fos and D1R/p-ERK1/2 signal pathways in nucleus accumbens of rats after ketamine abuse. BIOCHEM BIOPH RES CO. 2022 Sep;; IHC,WB ;Rat. 36152451