

# Product Datasheet

## Dopamine D1R/DRD1 Antibody

### NBP2-16213

Unit Size: 0.1 ml

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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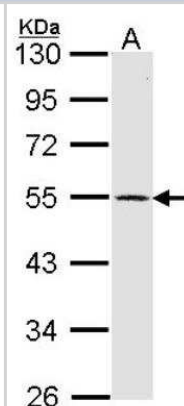
**NBP2-16213****Dopamine D1R/DRD1 Antibody**

<b>Product Information</b>	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.01% Thimerosal
<b>Isotype</b>	IgG
<b>Purity</b>	Protein A purified
<b>Buffer</b>	PBS 40% Glycerol
<b>Target Molecular Weight</b>	49 kDa
<b>Product Description</b>	
<b>Host</b>	Rabbit
<b>Gene ID</b>	1812
<b>Gene Symbol</b>	DRD1
<b>Species</b>	Human, Mouse, Rat
<b>Immunogen</b>	Carrier-protein conjugated synthetic peptide encompassing a sequence within the C-terminus region of human Dopamine D1R/DRD1. The exact sequence is proprietary.
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin
<b>Recommended Dilutions</b>	Western Blot 1:500-1:3000, Immunohistochemistry 1:100-1:1000, Immunocytochemistry/ Immunofluorescence 1:100-1:1000, Immunohistochemistry-Paraffin 1:100-1:1000, Immunohistochemistry-Frozen 1:100-1:1000

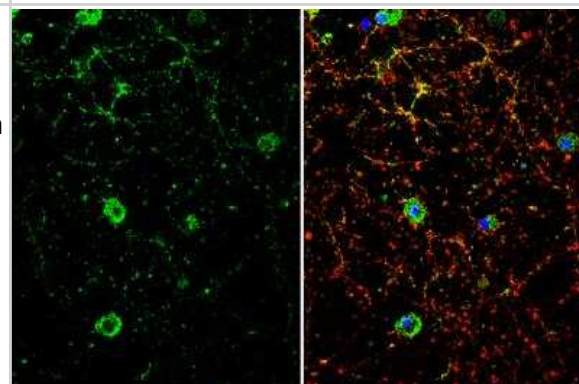


## Images

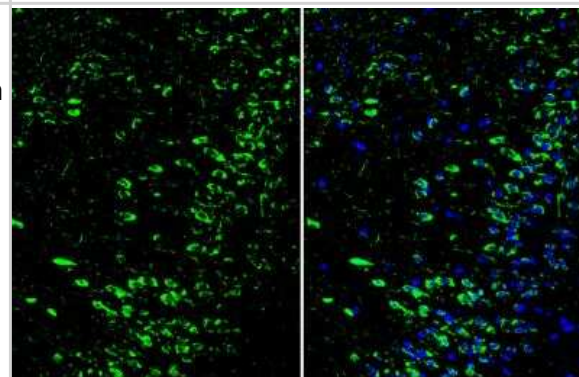
Western Blot: Dopamine D1R/DRD1 Antibody [NBP2-16213] - Sample (30 ug of whole cell lysate) A: IMR32 10% SDS PAGE diluted at 1:1000



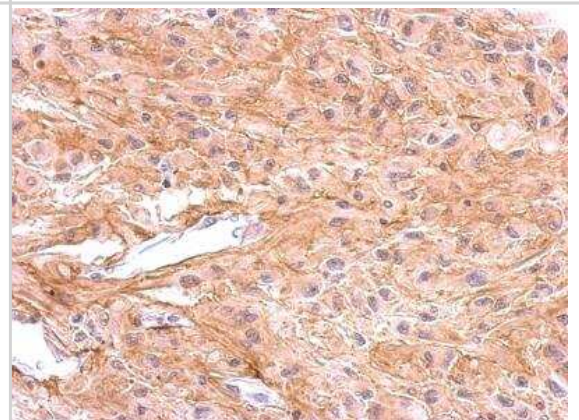
Immunocytochemistry/Immunofluorescence: Dopamine D1R/DRD1 Antibody [NBP2-16213] - DIV10 rat E18 primary cortical neuron cells were fixed in 4% paraformaldehyde at RT for 15 min. Green: Dopamine Receptor D1 stained by Dopamine Receptor D1 antibody [C2C3], C-term diluted at 1:500. Red: beta Tubulin 3/ Tuj1, stained by beta Tubulin 3/ Tuj1 antibody [11710] diluted at 1:500. Blue: Fluoroshield with DAPI.



Immunohistochemistry-Frozen: Dopamine D1R/DRD1 Antibody [NBP2-16213] - Frozen-sectioned mouse cerebral cortex. Green: Dopamine Receptor D1 stained by Dopamine Receptor D1 antibody [C2C3], C-term diluted at 1:250. Blue: Fluoroshield with DAPI.



Immunohistochemistry-Paraffin: Dopamine D1R/DRD1 Antibody [NBP2-16213] - U373 xenograft, using Dopamine Receptor D1 antibody at 1:500 dilution. Antigen Retrieval: Trilogy™ (EDTA based, pH 8.0) buffer, 15min.



## Publications

Brooke A Quinton, Khashayar Arianpour, Noah M Yaffe, William S Tierney, Michael S Benninger, Paul C Bryson  
Reassessing the Role of Phonomicrosurgery and Smoking Status in the Management of Reinke's Edema. The  
Laryngoscope 2023-11-27 [PMID: 38009572]

Madhamanchi K, Madhamanchi P, Jayalakshmi S et al. Dopamine and Glutamate Crosstalk Worsen the Seizure  
Outcome in TLE-HS Patients Molecular neurobiology 2023-05-20 [PMID: 37209264]

Zhang J, Peng Y, Liu C et al. Dopamine D1-receptor-expressing pathway from the nucleus accumbens to ventral  
pallidum-mediated sevoflurane anesthesia in mice CNS neuroscience & therapeutics 2023-05-19 [PMID: 37208941]

Bhowmick S, Malat A, Caruso D Et Al. Intercellular Adhesion Molecule-1-Induced Posttraumatic Brain Injury  
Neuropathology in the Prefrontal Cortex and Hippocampus Leads to Sensorimotor Function Deficits and  
Psychological Stress eNeuro 2021-07-16 [PMID: 34135004] (WB)

Yan Y, Pan J, Chen Y et al. Increased dopamine and its receptor dopamine receptor D1 promote tumor growth in  
human hepatocellular carcinoma Cancer Commun (Lond) 2020-10-05 [PMID: 33017522] (WB, Human)

Kumar SP, Babu PP Aberrant Dopamine Receptor Signaling Plays Critical Role in the Impairment of Striatal Neurons  
in Experimental Cerebral Malaria Mol. Neurobiol. 2020-08-24 [PMID: 32833186] (IF/IHC)





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### **Products Related to NBP2-16213**

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HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP3-17644PEP	Dopamine D1R/DRD1 Recombinant Protein Antigen

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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