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## Datasheet for ABIN7043107 anti-Dopamine d2 Receptor antibody (Extracellular, N-Term)





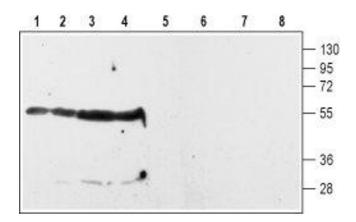
## Overview

Quantity:	25 µL
Target:	Dopamine d2 Receptor (DRD2)
Binding Specificity:	AA 11-26, Extracellular, N-Term
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Dopamine d2 Receptor antibody is un-conjugated
Application:	Western Blotting (WB)
Product Details	
Immunogen:	Immunogen: Synthetic peptide
	Immunogen Sequence: (C)DDLERQNWSRPFNGSE, corresponding to amino acid residues 11-26
	of rat DRD2
lsotype:	lgG
Characteristics:	Anti-D2 Dopamine Receptor (extracellular) Antibody (ABIN7043107, ABIN7044229 and
	ABIN7044230)) is a highly specific antibody directed against an epitope of the rat protein. The
	antibody can be used in western blot and immunohistochemistry applications. It has been
	designed to recognize DRD2 from rat, human, and mouse samples.
Purification:	Affinity purified on immobilized antigen.

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Target Details	
Target:	Dopamine d2 Receptor (DRD2)
Alternative Name:	D2 Dopamine Receptor (DRD2 Products)
Background:	Alternative names: D2 Dopamine Receptor, DRD2, D(2) dopamine receptor
Gene ID:	24318
NCBI Accession:	NM_000795
UniProt:	P61169
Pathways:	Positive Regulation of Peptide Hormone Secretion, Negative Regulation of Hormone Secretion, cAMP Metabolic Process, Inositol Metabolic Process, Regulation of G-Protein Coupled Receptor Protein Signaling, Feeding Behaviour, Negative Regulation of Transporter Activity, Regulation of long-term Neuronal Synaptic Plasticity
Application Details	
Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only
Handling	
Format:	Lyophilized
Reconstitution:	25 $\mu\text{L}$ , 50 $\mu\text{L}$ or 0.2 mL double distilled water (DDW), depending on the sample size.
Concentration:	0.8 mg/mL
Buffer:	Reconstituted antibody contains phosphate buffered saline (PBS), pH 7.4, 1 % BSA, 0.05 % Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	RT,4 °C,-20 °C
Storage Comment:	Storage before reconstitution: The antibody ships as a lyophilized powder at room temperature. Upon arrival, it should be stored at -20°C. Storage after reconstitution: The reconstituted solution can be stored at 4°C for up to 1 week. For longer periods, small aliquots should be stored at -20°C. Avoid multiple freezing and thawing. Centrifuge all antibody preparations before use (10000 x g 5 min).

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**Image 1.** Western blot analysis of rat striatum (lanes 1 and 5) and hippocampus (lanes 2 and 6) membranes and of rat (lanes 3 and 7) and mouse (lanes 4 and 8) whole brain lysates: - 1-4. Anti-D2 Dopamine Receptor (extracellular) Antibody (ABIN7043107, ABIN7044229 and ABIN7044230), (1:200).5-8. Anti-D2 Dopamine Receptor (extracellular) Antibody, preincubated with D2 Dopamine Receptor (extracellular) Blocking Peptide (#BLP-DR002).

## **Flow Cytometry**

**Image 2.** Cell surface detection of D2 dopamine receptor by indirect flow cytometry in live intact human Jurkat T-cell leukemia cells: (black line) Cells.(red line) Cells + goat-antirabbit-FITC.(green line) Cells + Anti-D2 Dopamine Receptor (extracellular) Antibody (ABIN7043107, ABIN7044229 and ABIN7044230), (5 µg) + goat-anti-rabbit-FITC.

