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anti-DRD3 antibody (Extracellular, N-Term)



Purification:



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Overview	
Quantity:	25 μL
Target:	DRD3
Binding Specificity:	AA 15-29, Extracellular, N-Term
Reactivity:	Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DRD3 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)
Product Details	
Immunogen:	Immunogen: Synthetic pentide

Immunogen:	Immunogen: Synthetic peptide
	Immunogen Sequence: CGAENSTGVNRARPH, corresponding to amino acid residues 15-29 of
	rat DRD3
Isotype:	IgG
Characteristics:	Anti-D3 Dopamine Receptor (extracellular) Antibody is directed against an epitope located at
	the extracellular N-terminus of the rat D3 dopamine receptor. Anti-D3 Dopamine Receptor
	(extracellular) Antibody (ABIN7043109, ABIN7044231 and ABIN7044232)) can be used in
	western blot analysis and immunohistochemical applications, and recognizes DRD3 from rat
	and mouse samples.

Affinity purified on immobilized antigen.

Target Details

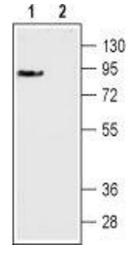
Target:	DRD3
Alternative Name:	D3 Dopamine Receptor (DRD3 Products)
Background:	Alternative names: D3 Dopamine Receptor, DRD3
Gene ID:	29238
NCBI Accession:	NM_000796
UniProt:	P19020
Pathways:	Regulation of Systemic Arterial Blood Pressure by Hormones, cAMP Metabolic Process, Regulation of G-Protein Coupled Receptor Protein Signaling, Proton Transport, Negative Regulation of Transporter Activity

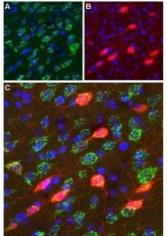
Application Details

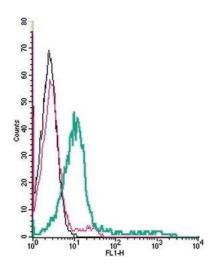
Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	$25~\mu\text{L}$, $50~\mu\text{L}$ or $0.2~m\text{L}$ 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).







Western Blotting

Image 1. Western blot analysis of mouse brain membranes:
1. Anti-D3 Dopamine Receptor (extracellular) Antibody
(ABIN7043109, ABIN7044231 and ABIN7044232), (1:200).2.
Anti-D3 Dopamine Receptor (extracellular) Antibody,
preincubated with D3 Dopamine Receptor (extracellular)
Blocking Peptide (#BLP-DR003).

Immunohistochemistry

Image 2. Expression of DRD3 in rat striatum - Immunohistochemical staining of perfusion-fixed frozen rat brain sections using Anti-D3 Dopamine Receptor (extracellular) Antibody (ABIN7043109, ABIN7044231 and ABIN7044232), (1:100). A. DRD3 appears in a subset of striatal neurons (green). B. The same section was stained for parvalbumin (red), a marker of interneurons. C. Merging the two images demonstrates that DRD3 localization includes parvalbuminergic striatal interneurons. DAPI was used as the counterstain (blue).

Flow Cytometry

Image 3. Cell surface detection of D3 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-D3 Dopamine Receptor (extracellular) Antibody (ABIN7043109, ABIN7044231 and ABIN7044232), ($5 \mu g$) + goat-anti-rabbit-FITC.

Please check the product details page for more images. Overall 4 images are available for ABIN7043109.