

Rabbit anti-Human, Rat DRD2 Polyclonal Antibody | anti-DRD2 antibody

DRD2 Antibody

CATALOG # AAA322779	HOST Rabbit	REACTIVITY Human, Rat	APPLICATIONS ELISA, Western Blot
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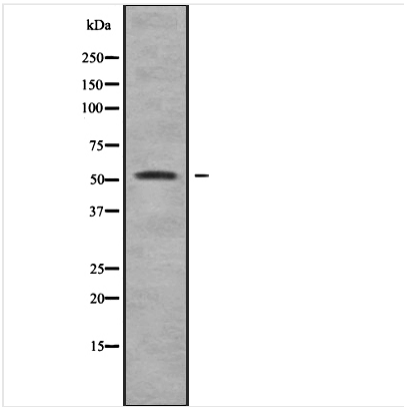
PRODUCT SYNONYMS

DRD2; Polyclonal Antibody; DRD2 Antibody; D(2) dopamine receptor; D2 dopamine receptor; D2DR; D2R; Dopamine D2 receptor; Dopamine receptor D2; DRD 2; DRD2_HUMAN; anti-DRD2 antibody

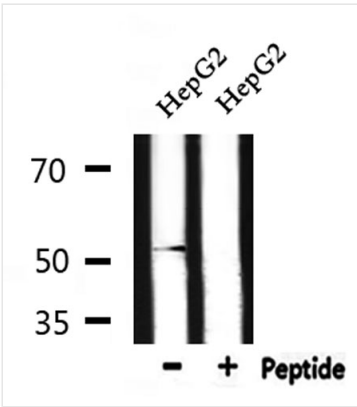
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	DRD2 antibody detects endogenous levels of total DRD2
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	443
Applicable Applications for anti-DRD2 antibody	ELISA, WB (Western Blot)
Immunogen	A synthesized peptide derived from human DRD2
Subcellular Location	Cell Membrane
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog
Similarity	Pig (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)
Western blot analysis of DRD2 using HT-29 whole cell lysates



WB (Western Blot)
Western blot analysis of extracts from HepG2, using DRD2 Antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-DRD2 antibody	Function: Dopamine receptor whose activity is mediated by G proteins which inhibit adenylyl cyclase. Subunit Structure: Forms homo-and heterooligomers with DRD4. The interaction with DRD4 may modulate agonist-induced downstream signaling. Interacts with GPRASP1, PPP1R9B and CLIC6 (By similarity). Interacts with CADPS and CADPS2. Interacts with ARRB2 (By similarity). Interacts with KCNA2 (By similarity). Interacts with GNAI2 isoform sGi2, the interaction allows the creation of an intracellular pool of DRD2 that can be released to cell surface upon agonist stimulation. Interacts with HTR2A. Similarity: Belongs to the G-protein coupled receptor 1 family.
References	Liu Y, Geng L, Zhang J, Wang J, Zhang Q, Duan D, Zhang Q; Journal: Mar Drugs. Oligo-Porphyrin Ameliorates Neurobehavioral Deficits in Parkinsonian Mice by Regulating the PI3K/Akt/Bcl-2 Pathway.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4503385
NCBI GeneID	1813
NCBI Accession #	NP_000786.1
NCBI GenBank Nucleotide #	NM_000795.3
UniProt Accession #	P14416; Q9NZR3; Q9UPA9
Molecular Weight	Observed: 51 kDa Predicted: 51 kDa
NCBI Official Full Name	D(2) dopamine receptor isoform long
NCBI Official Synonym Full Names	dopamine receptor D2
NCBI Official Symbol	DRD2
NCBI Official Synonym Symbols	D2R; D2DR
NCBI Protein Information	D(2) dopamine receptor
UniProt Protein Name	D(2) dopamine receptor
UniProt Gene Name	DRD2

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.