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Datasheet for ABIN185712  
**anti-DRD4 antibody (Internal Region)**

### Overview

Quantity:	100 µg
Target:	DRD4
Binding Specificity:	Internal Region
Reactivity:	Human
Host:	Goat
Clonality:	Polyclonal
Conjugate:	This DRD4 antibody is un-conjugated
Application:	ELISA

### Product Details

Purpose:	Dopamine receptor D4 / DRD4
Immunogen:	Peptide with sequence C-PLRYNRQGGSRRQ, from the internal region of the protein sequence according to NP_000788.2.
Sequence:	PLRYNRQGGS RRQ
Isotype:	IgG
Predicted Reactivity:	Human
Purification:	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Grade:	Recent

## Target Details

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Target:	DRD4
Alternative Name:	DRD4 ( <a href="#">DRD4 Products</a> )
Background:	DRD4, dopamine receptor D4, D4DR , D(2C) dopamine receptor, dopamine D4 receptor, seven transmembrane helix receptor
Gene ID:	1815
NCBI Accession:	<a href="#">NP_000788</a>
Pathways:	<a href="#">cAMP Metabolic Process</a> , <a href="#">Synaptic Membrane</a> , <a href="#">Proton Transport</a> , <a href="#">Photoperiodism</a> , <a href="#">Negative Regulation of Transporter Activity</a>

## Application Details

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Application Notes:	DS WB Results: Preliminary experiments gave an approx 35 kDa band in Human Brain lysates after 0.1 µg/mL antibody staining. Please note that currently we cannot find an explanation in the literature for the band we observe given the calculated size of 43.9 kDa according to NP_000788.2. The 35 kDa band was successfully blocked by incubation with the immunizing peptide. Have any further splice variants/modified forms been reported? Peptide ELISA: antibody detection limit dilution 1:64000.
Restrictions:	For Research Use only

## Handling

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Format:	Liquid
Concentration:	0.5 mg/mL
Buffer:	Supplied at 0.5 mg/mL in Tris saline, 0.02 % sodium azide, pH 7.3 with 0.5 % bovine serum albumin.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Minimize freezing and thawing.
Storage:	-20 °C
Storage Comment:	Aliquot and store at -20°C, with minimal freeze/thawing. A working aliquot may be refrigerated at 4°C for a few weeks and still remain viable.