

Anti-Dopamine Receptor D1 antibody ab20066

★★★★★ [11 Abreviews](#) [47 References](#) [1 Image](#)

Overview

Product name	Anti-Dopamine Receptor D1 antibody
Description	Rabbit polyclonal to Dopamine Receptor D1
Host species	Rabbit
Specificity	Stains specific cells in various regions of PLP fixed Rat brain sections. This includes Medial septum, Nucleus accumbens, Dentate gyrus, Globus pallidus, Medial forebrain bundle, Cortex regions 1-3, Substantia Nigra reticulata, and the Ventral tegmental area. Cross reactivity: D1 Dopamine Receptor (9-21) 100%; D1 Dopamine Receptor 90%; D2 Dopamine Receptor (272-282) 0%; D2 Dopamine Receptor 0%; D3 Dopamine Receptor (2-10) 0%; D3 Dopamine Receptor 0; D4 Dopamine Receptor (176-185) 0%; D4 Dopamine Receptor 0%; D5 Dopamine Receptor (23-35) 0%; D5 Dopamine Receptor 0%
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Rat, Human
Immunogen	Synthetic peptide: MDGTGLVVERDFS , corresponding to amino acids 9-21 of Human Dopamine Receptor D1

 [Run BLAST with](#)

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General notes

The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.

If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer	Constituents: PBS, 1% BSA
Purity	Whole antiserum

Clonality	Polyclonal
Isotype	IgG

Applications

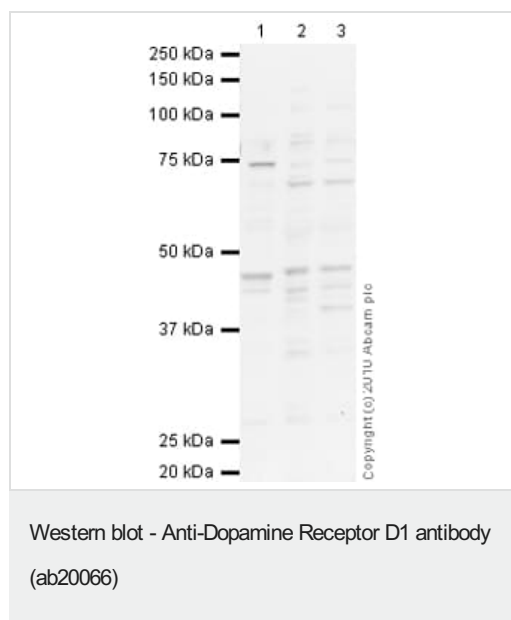
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab20066 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/1000. Detects a band of approximately 48 kDa (predicted molecular weight: 49 kDa).

Target

Function	Dopamine receptor whose activity is mediated by G proteins which activate adenylyl cyclase.
Tissue specificity	Detected in caudate, nucleus accumbens and in the olfactory tubercle.
Sequence similarities	Belongs to the G-protein coupled receptor 1 family.
Cellular localization	Cell membrane. Endoplasmic reticulum membrane. Transport from the endoplasmic reticulum to the cell surface is regulated by interaction with DNAJC14.

Images



All lanes : Anti-Dopamine Receptor D1 antibody (ab20066) at 1 µg/ml

Lane 1 : Human brain tissue lysate - total protein ([ab29466](#))

Lane 2 : Rat Forebrain

Lane 3 : Rat Cortex Tissue Lysate

Lysates/proteins at 10 µg per lane.

Secondary

All lanes : Goat polyclonal to Rabbit IgG - H&L - Pre-Adsorbed (HRP) at 1/3000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

Predicted band size: 49 kDa

Observed band size: 48 kDa

Additional bands at: 45 kDa, 70 kDa, 75 kDa. We are unsure as

to the identity of these extra bands.

Exposure time: 90 seconds

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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