


Product datasheet

Anti-DRD4 antibody ab150576

1 Image

Overview

Product name	Anti-DRD4 antibody
Description	Rabbit polyclonal to DRD4
Host species	Rabbit
Specificity	BLAST analysis of the peptide immunogen showed no homology with other Human proteins, except HTR1D (65%).
Tested applications	Suitable for: IHC-P
Species reactivity	Reacts with: Human Predicted to work with: Ferret, Monkey, Gorilla, Common marmoset 
Immunogen	Synthetic peptide corresponding to Human DRD4 (C terminal). Database link: NP_000788.2
Positive control	Human brain (neurons and glia) tissue.
General notes	This product was previously labelled as Dopamine Receptor D4

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.
Storage buffer	Preservative: 0.1% Sodium azide Constituent: 99% PBS
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

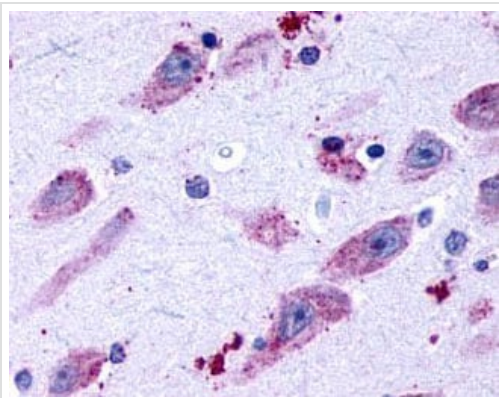
The Abpromise guarantee Our [Abpromise guarantee](#) covers the use of ab150576 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		Use a concentration of 10 µg/ml. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.

Target

Function	Dopamine receptor responsible for neuronal signaling in the mesolimbic system of the brain, an area of the brain that regulates emotion and complex behavior. Its activity is mediated by G proteins which inhibit adenylyl cyclase.
Sequence similarities	Belongs to the G-protein coupled receptor 1 family.
Post-translational modifications	Polyubiquitinated by the BCR(KLHL12) E3 ubiquitin ligase complex: polyubiquitination does not lead to degradation of DRD4 protein.
Cellular localization	Cell membrane.

Images



Immunohistochemical analysis of formalin-fixed, paraffin embedded Human brain (neurons and glia) tissue labeling DRD4 with ab150576 at 10µg/ml.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-DRD4 antibody (ab150576)

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

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