

Anti-DRD4 antibody ab20424

5 References

Overview

Product name	Anti-DRD4 antibody
Description	Rabbit polyclonal to DRD4
Host species	Rabbit
Specificity	Cross-reactivity: D4 Dopamine Receptor (176-185) 100% D4 Dopamine Receptor 60% D1 Dopamine Receptor (9-21) 0% D1 Dopamine Receptor 0% D2 Dopamine Receptor (272-282) 0% D2 Dopamine Receptor 0% D3 Dopamine Receptor (2-10) 0% D3 Dopamine Receptor 0% D5 Dopamine Receptor (23-35) 0% D5 Dopamine Receptor 0%
Tested applications	Suitable for: ICC, ICC/IF, IHC-P, WB
Species reactivity	Reacts with: Rat
Immunogen	Synthetic peptide corresponding to Human DRD4 aa 176-185 (N terminal). Sequence: DVRGRDPAVC

(Peptide available as [ab49539](#))

 [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. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Storage buffer	Lyophilized antisera.
Purity	Whole antiserum
Clonality	Polyclonal

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab20424 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
ICC		Use at an assay dependent concentration.
ICC/IF		Use at an assay dependent concentration.
IHC-P		Use at an assay dependent concentration. PubMed: 22155235
WB		Use at an assay dependent concentration.

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.

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

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