

Product datasheet

Anti-DRD5 antibody - C-terminal ab181623

1 Image

Overview

<b>Product name</b>	Anti-DRD5 antibody - C-terminal
<b>Description</b>	Rabbit polyclonal to DRD5 - C-terminal
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Rat
<b>Immunogen</b>	Synthetic peptide corresponding to Mouse DRD5 aa 388-407 (C terminal). Sequence: LISYNQDTV <del>FHREIAAA</del> YVH  Database link: <a href="#">Q8BLD9</a>  <a href="#">Run BLAST with</a> <a href="#">Run BLAST with</a>
<b>Positive control</b>	WB: Rat and mouse brain tissue lysates
<b>General notes</b>	This product was previously labelled as Dopamine Receptor D5

Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	Preservatives: 0.025% Thimerosal (merthiolate), 0.025% Sodium azide Constituents: 2.5% BSA, 0.45% Sodium chloride, 0.1% Dibasic monohydrogen sodium phosphate
<b>Purity</b>	Immunogen affinity purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab181623** in the following tested applications.

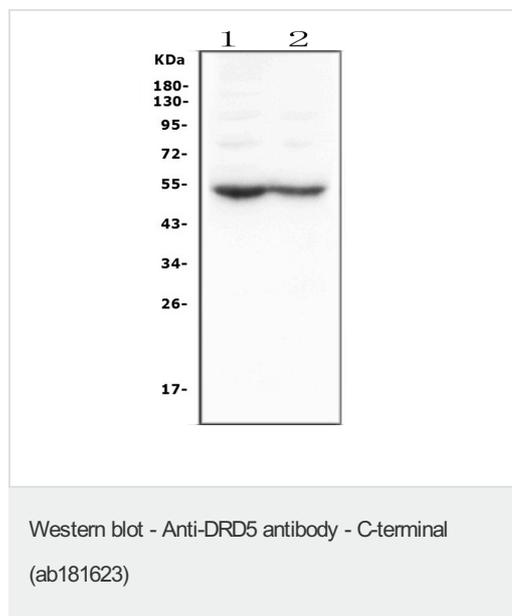
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use a concentration of 0.1 - 0.5 µg/ml. Predicted molecular weight: 53 kDa.

## Target

<b>Function</b>	Dopamine receptor whose activity is mediated by G proteins which activate adenylyl cyclase.
<b>Tissue specificity</b>	Neuron-specific, localized primarily within limbic regions of the brain.
<b>Involvement in disease</b>	Defects in DRD5 are a cause of benign essential blepharospasm (BEB) [MIM:606798]. BEB is a primary focal dystonia affecting the orbicularis oculi muscles. Dystonia is defined by the presence of sustained involuntary muscle contraction, often leading to abnormal postures. BEB usually begins in middle age. Initial symptoms include eye irritation and frequent blinking, progressing to involuntary spasms of eyelid closure. Patients have normal eyes. The visual disturbance is due solely to the forced closure of the eyelids. In severe cases, this can lead to functional blindness.
<b>Sequence similarities</b>	Belongs to the G-protein coupled receptor 1 family.
<b>Cellular localization</b>	Cell membrane.

## Images



**All lanes** : Anti-DRD5 antibody - C-terminal (ab181623) at 0.5 µg

**Lane 1** : rat brain tissue

**Lane 2** : mouse brain tissue

Lysates/proteins at 50 µg per lane.

### Secondary

**All lanes** : Goat anti-rabbit IgG-HRP at 1/10000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

**Predicted band size:** 53 kDa

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

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