Product datasheet

Anti-Dopamine D2 Receptor antibody ab85367

Overview

Product name: Anti-Dopamine D2 Receptor antibody

Description: Rabbit polyclonal to Dopamine D2 Receptor

Host species: Rabbit

Tested applications: Suitable for: WB

Species reactivity: Reacts with: Rat, Human

Predicted to work with: Mouse, Chimpanzee, Monkey

Immunogen: Synthetic peptide conjugated to KLH derived from within residues 1 - 100 of Human Dopamine D2 Receptor. Read Abcam's proprietary immunogen policy (Peptide available as ab97357.)

Positive control: This antibody gave a positive signal in the following tissue lysates: Human brain; Human skeletal muscle; Rat Substantia nigra; Rat Dopaminergic nucleus.

Properties

Form: Liquid

Storage instructions: Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.

Storage buffer: Preservative: 0.02% Sodium Azide
Constituents: 1% BSA, PBS, pH 7.4

Purity: Immunogen affinity purified

Clonality: Polyclonal

Isotype: IgG

Applications

Our Abpromise guarantee covers the use of ab85367 in the following tested applications.

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

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<th>Notes</th>
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<td>WB</td>
<td></td>
<td>Use a concentration of 1 µg/ml. Detects a band of approximately 49 kDa (predicted molecular weight: 50 kDa).</td>
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Function

This is one of the five types (D1 to D5) of receptors for dopamine. The activity of this receptor is mediated by G proteins which inhibit adenylyl cyclase.

Involvement in disease

Defects in DRD2 are associated with dystonia type 11 (DYT11) [MIM:159900]; also known as alcohol-responsive dystonia. DYT11 is a myoclonic dystonia. Dystonia is defined by the presence of sustained involuntary muscle contractions, often leading to abnormal postures. DYT11 is characterized by involuntary lightning jerks and dystonic movements and postures alleviated by alcohol. Inheritance is autosomal dominant. The age of onset, pattern of body involvement, presence of myoclonus and response to alcohol are all variable.

Sequence similarities

Belongs to the G-protein coupled receptor 1 family.

Cellular localization

Cell membrane.

Images

**All lanes**: Anti-Dopamine D2 Receptor antibody (ab85367) at 1 µg/ml

**Lane 1**: Human brain tissue lysate - total protein (ab29466)
**Lane 2**: Human skeletal muscle tissue lysate - total protein (ab29330)

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**: 50 kDa
**Observed band size**: 49 kDa

*why is the actual band size different from the predicted?*

**Exposure time**: 2 minutes
All lanes: Anti-Dopamine D2 Receptor antibody (ab85367) at 1 µg/ml

Lane 1: Rat Substantia Nigra Lysate
Lane 2: Dopaminergic nucleus Rat Tissue Lysate

Lysates/proteins at 10 µg per lane.

Secondary
All lanes: Goat polyclonal to Rabbit IgG - H&L - Pre-Adsorbed (HRP) (ab65484) at 1/5000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

**Predicted band size:** 50 kDa

**Observed band size:** 49 kDa

*why is the actual band size different from the predicted?*

**Additional bands at:** 52 kDa (possible glycosylated form)

**Exposure time:** 4 minutes

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