Product datasheet

Anti-Dopamine D2 Receptor antibody ab150532

Overview

Product name: Anti-Dopamine D2 Receptor antibody
Description: Rabbit polyclonal to Dopamine D2 Receptor
Host species: Rabbit
Specificity: BLAST analysis of the peptide immunogen showed no homology with other human proteins.
Tested applications: Suitable for: IHC-P, IHC-FoFr
Species reactivity: Reacts with: Rabbit, Horse, Cow, Dog, Human, Aplysia, Bat
Predicted to work with: Pig, Monkey
Immunogen: Synthetic peptide corresponding to Human Dopamine D2 Receptor. Synthetic peptide corresponding to a 16 amino acids from within the 3rd cytoplasmic domain of Human Dopamine Receptor D2L (NP_000786.1).
Positive control: Human brain tissue (neurons and glia).

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

Our Abpromise guarantee covers the use of ab150532 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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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.

Target

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Images

Immunohistochemical analysis of formalin fixed, paraffin embedded Human brain tissue (neurons and glia) labeling Dopamine Receptor D2L with ab150532 at 10 µg/ml.

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