Anti-Dopamine beta Hydroxylase antibody ab63939

Overview

Product name: Anti-Dopamine beta Hydroxylase antibody
Description: Rabbit polyclonal to Dopamine beta Hydroxylase
Host species: Rabbit
Tested applications: Suitable for: IHC-P, WB, ELISA, Radioimmunoprecipitation, Inhibition Assay
Species reactivity: Reacts with: Rat, Guinea pig, Cow, Human
Immunogen: Full length native protein (purified) from bovine adrenal glands

Properties

Form: Liquid
Storage instructions: Shipped at 4°C. Store at +4°C short term (1-2 weeks). Add glycerol to a final volume of 50% for extra stability and aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer: Constituent: Whole serum
Purity: Whole antiserum
Clonality: Polyclonal
Isotype: IgG

Applications

Our Abpromise guarantee covers the use of ab63939 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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<td>Radioimmunoprecipitation</td>
<td>Use at an assay dependent concentration.</td>
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Conversion of dopamine to noradrenaline.

**Pathway**
Catecholamine biosynthesis; (R)-noradrenaline biosynthesis; (R)-noradrenaline from dopamine: step 1/1.

**Involvement in disease**
Defects in DBH are the cause of dopamine beta-hydroxylase deficiency (DBH deficiency) [MIM:223360]; also known as norepinephrine deficiency or noradrenaline deficiency. This disorder is characterized by profound deficits in autonomic and cardiovascular function, but apparently only subtle signs, if any, of central nervous system dysfunction.

**Sequence similarities**
Belongs to the copper type II ascorbate-dependent monoxygenase family. Contains 1 DOMON domain.

**Cellular localization**
Cytoplasmic vesicle > secretory vesicle lumen. Cytoplasmic vesicle > secretory vesicle > chromaffin granule lumen and Cytoplasmic vesicle > secretory vesicle > chromaffin granule membrane.

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**Target**

**Function**
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**Images**

Immunohistochemical analysis of guinea pig brain stem, staining Dopamine beta Hydroxylase using ab63939 at 1/1000.

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

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