



Product datasheet

Anti-Dopamine beta Hydroxylase antibody ab19353

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Overview

Product name	Anti-Dopamine beta Hydroxylase antibody
Description	Sheep polyclonal to Dopamine beta Hydroxylase
Tested applications	Suitable for: ICC, WB, ICC/IF, IHC-P, IHC-Fr
Species reactivity	Reacts with: Mouse, Rat, Cow, Human
Immunogen	Synthetic peptide corresponding to Rat Dopamine beta Hydroxylase aa 43-62. Sequence: SEPPESPFPYHIPLDPEGL
	 Run BLAST with  Run BLAST with
General notes	Detects human, bovine, rat and mouse DBH. It is not effective for immunohistochemistry in human brain

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	Preservative: 0.05% Sodium Azide
Purity	Whole antiserum
Clonality	Polyclonal

Applications

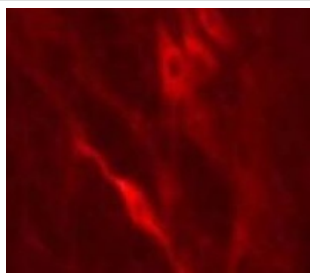
Our [Abpromise guarantee](#) covers the use of **ab19353** in the following tested applications.

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

Application	Abreviews	Notes
ICC		1/2500.
WB		1/5000. Detects a band of approximately 72 kDa.
ICC/IF		1/5000.
IHC-P		1/2000.

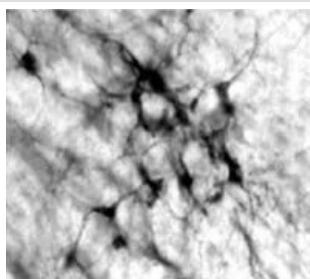
Target

Function	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 monooxygenase family. Contains 1 DOMON domain.
Cellular localization	Cytoplasmic vesicle > secretory vesicle lumen. Cytoplasmic vesicle > secretory vesicle > chromaffin granule lumen and Cytoplasmic vesicle > secretory vesicle membrane. Cytoplasmic vesicle > secretory vesicle > chromaffin granule membrane.

Anti-Dopamine beta Hydroxylase antibody images

Immunofluorescent staining of DBH in rat neuron cells using ab19353.

Immunocytochemistry/ Immunofluorescence - Anti-Dopamine beta Hydroxylase antibody (ab19353)



Immunofluorescent stain of DBH in rat brain tissue using ab19353.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Dopamine beta Hydroxylase antibody (ab19353)

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