

A Reliable Research Partner in Life Science and Medicine

# Recombinant Dopamine beta Hydroxylase Monoclonal Antibody

catalog number: AN301975L

Note: Centrifuge before opening to ensure complete recovery of vial contents.

#### **Description**

Reactivity Human;

**Immunogen** Peptide. This information is proprietary to PTMab.

 Host
 Rabbit

 Isotype
 IgG, κ

 Clone
 A691

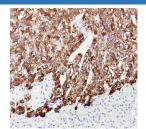
Purification Protein A purified

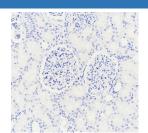
Buffer PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

Applications Recommended Dilution

IHC 1:50-1:100

#### Data



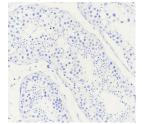


Rev. V1.1

Immunohistochemistry of paraffin-embedded Human adrenal Immunohistochemistry of paraffin-embedded Human kidney gland using Dopamine beta Hydroxylase Monoclonal (negative tissue) using Dopamine beta Hydroxylase

Antibody at dilution of 1:100.

Monoclonal Antibody at dilution of 1:100.



Immunohistochemistry of paraffin-embedded Human testis (negative tissue) using Dopamine beta Hydroxylase Monoclonal Antibody at dilution of 1:100.

# **Preparation & Storage**

Storage Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.

Shipping Ice bag

### **Background**

Dopamine β-Hydroxylase (DBH) is an enzyme of the copper type II ascorbate-dependent mono-oxygenase family. This enzyme forms homotetramers composed of two noncovalently bound disulfide-linked dimers and is found as both membrane-associated and soluble forms. The soluble form is present in the lumen of secretory granules and is released from cells by exocytosis. DBH converts dopamine to noradrenaline. Deficiency in this enzyme causes a rare disease characterized by a complete absence of noradrenaline and adrenaline in plasma together with increased plasma dopamine levels. Orthostatic hypotension, the main symptom of DBH deficiency, can be alleviated by administration of dihydroxyphenylserine, a synthetic precursor of noradrenaline.

## For Research Use Only

 Toll-free: 1-888-852-8623
 Tel: 1-832-243-6086
 Fax: 1-832-243-6017

 Web: www.elabscience.com
 Email: techsupport@elabscience.com