

PRODUCT DATA SHEET**Product Name:** ANTI-DOPAMINE β -HYDROXYLASE, N-TERMINUS ANTIBODY**Product Code:** P40301-100**Pack Size:** 100 μ L

Description: DBH catalyzes the conversion of dopamine to norepinephrine and serves as a marker of noradrenergic cells. DBH antibodies and antibodies for other markers of catecholamine biosynthesis are widely used as markers for dopaminergic and noradrenergic neurons in a variety of applications including depression, schizophrenia, Parkinson's disease and drug abuse (Kish et al., 2001; Zhu et al., 2000; Zhu et al., 1999). The expression of DBH is also elevated during stress (Sabban and Kvetnansky, 2001).

Physical State: Liquid; Buffer contents: 10 mM HEPES (pH 7.5), 150 mM NaCl, 100 μ g per mL BSA and 50% glycerol

Storage/Stability: Stable at -20 °C for at least 1 year. For long term storage -20 °C is recommended

Purification Method: Affinity purified.

Shipping Conditions: Domestic: Blue Ice
International: Blue Ice or Dry Ice

Host Species: Rabbit (Polyclonal)**Mr (kDa):** 75

Species Reactivity: Specific for the ~75k DBH protein in Western Blots of human adrenal medulla. Also recognizes DBH protein in bovine, monkey, and rat tissues.

Recommended Antibody Dilutions:**WB: 1:1000****References:**

- 1) Kish SJ et al. (2001) *Neuropsychopharmacology* 24:561-567.
- 2) Sabban EL et al. (2001) *Trends Neurosci* 24:91-98.
- 3) Zhu MY et al. (1999) *Biol Psychiatry* 46:1275-1286.

Application Key: WB – Western Blot IF – Immunofluorescence IHC – Immunohistochemistry IP - Immunoprecipitation

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