

**PRODUCT DATA SHEET****Product Name:** ANTI-DOPAMINE  $\beta$ -HYDROXYLASE, C-TERMINUS ANTIBODY**Product Code:** P60201-100**Pack Size:** 100  $\mu$ 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  $\mu$ 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:** Prepared from sheep serum by affinity purification using a Sulfo-Link® column matrix to which the peptide immunogen was coupled.

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

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

**Immunogen:** Peptide from the C-terminal region of human dopamine  $\beta$ -hydroxylase (DBH), conjugated to keyhole limpet hemocyanin (KLH).

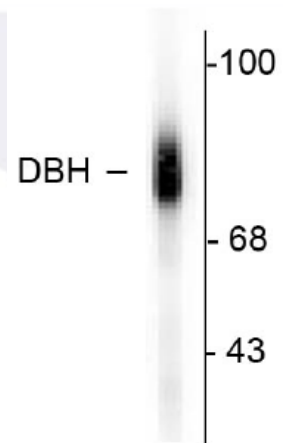
**Species Reactivity:** The antibody has been directly tested for reactivity in Western blots with human, mouse, and non-human primate tissue.

**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.

**Western Blot**

Human adrenal medulla lysate showing specific immunolabeling of the ~75k DBH protein.

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

FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES.

P/N: 74123 Rev 01