

PRODUCT DATA SHEET

Product Name: ANTI-DOPAMINE β -HYDROXYLASE, N-TERMINUS ANTIBODY

Product Code: P60301-100

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: 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 N-terminal region of human dopamine β -hydroxylase (DBH), conjugated to keyhole limpet hemocyanin (KLH).

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

Recommended Antibody Dilutions:

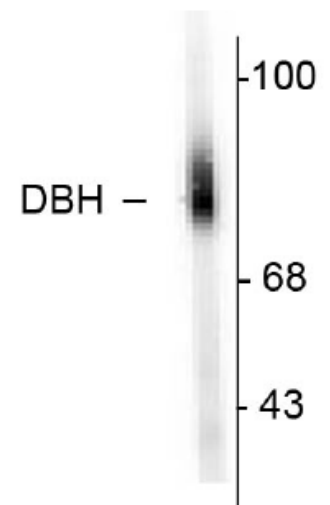
WB: 1:1000

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. (2000) *J Neurosci Meth* 99:37-44.

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