PRODUCT DATA SHEET

Product Name: ANTI-TYROSINE HYDROXYLASE ANTIBODY

Product Code: P40101-150
Pack Size: 150 µL

Description: Tyrosine hydroxylase (TH) is the rate-limiting enzyme in the synthesis of the catecholamines dopamine and norepinephrine. TH antibodies can therefore be 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). TH antibodies can also be used to explore basic mechanisms of dopamine and norepinephrine signaling (Witkovsky et al., 2000; Salvatore et al., 2001; Dunkley et al., 2004).

Host Species: Rabbit (Polyclonal)
Mr (kDa): 60

Immunogen: SDS-denatured rat tyrosine hydroxylase, purified from pheochromocytoma

Species Reactivity: All mammalian and at least some non-mammalian forms of the enzyme in Western blots and in IHC/IF.

Recommended Antibody Dilutions:

WB, IF, IHC: 1:1000

References:

Physical State: Liquid; Buffer contents: 10 mM HEPES (pH 7.5), 150 mM NaCl, 100 µg 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 rabbit serum by affinity purification using a protein A column and using a column to which the immunogen was coupled.

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

Western Blot
10 ug of rat caudate lysate showing specific immunolabeling of the ~60k TH protein.

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