PRODUCT DATA SHEET

Product Name: **ANTI-DOPAMINE TRANSPORTER, C-TERMINUS ANTIBODY**

Product Code: P40501-100

Pack Size: 100 µL

Description: The dopamine transporter (DAT) is responsible for the reaccumulation of dopamine after it has been released. DAT 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). Levels of DAT protein expression are altered by chronic drug administration (Wilson et al.1996).

Host Species: Rabbit (Polyclonal)

M_r (kDa): 88

Immunogen: Peptide from the intracellular C-terminus region of human dopamine transporter (DAT), conjugated to keyhole limpet hemocyanin (KLH).

Species Reactivity: The antibody has been tested in Western blots of SDS-solubilized human and mouse striatal samples and in IHC applications with monkey (Macaque) brain sections.
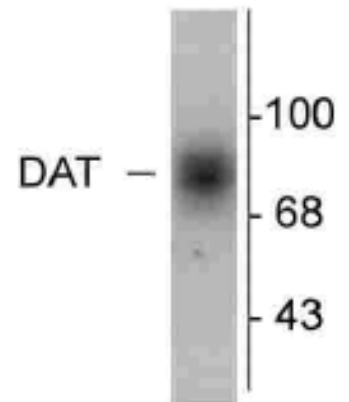
Recommended Antibody Dilutions:

WB, IHC: 1:1000

References:
1) Wilson JM et al. (1996) *Nat Med* 2:699-703.
2) Zhu MY et al. (2000) *J Neurosci Meth* 99:37-44.
3) Zhu MY et al. (1999) *Biol Psychiatry* 46:1275-1286.

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 SulfoLink® column matrix to which the peptide immunogen was coupled.

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

Western Blot
Human caudate lysate showing specific immunolabeling of the ~88k DAT protein.

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

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