

PRODUCT DATA SHEET

Product Name: ANTI-VESICULAR MONOAMINE TRANSPORTER 2, C-TERMINUS ANTIBODY

Product Code: P60000-100

Pack Size: 100 µL

Description: Vesicular neurotransmitter transporters sequester the transmitters into synaptic vesicles (Erickson et al., 1996). The vesicular monoamine transporter 2 (VMAT2) is responsible for catecholamine and serotonin storage in central synapses. Antibodies specific for VMAT have been used to monitor expression of the transporter during development and in aging and can be effectively used as a marker for monoamine terminals (Haycock et al., 2003; Witkovsky et al., 2005).

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 sheep serum by affinity purification using a column to which the peptide immunogen was coupled.

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

Host Species: Sheep (Polyclonal)

Mr (kDa): 57

Immunogen: Peptide from intracellular C-terminal region of human VMAT2, conjugated to keyhole limpet hemocyanin (KLH).

Species Reactivity: The antibody has been directly tested for reactivity in Western blots in rat tissue.

Recommended Antibody Dilutions:

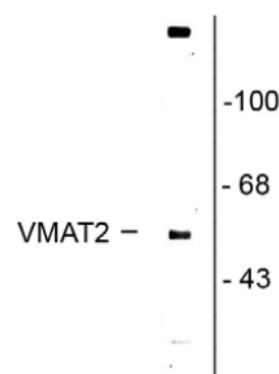
WB: 1:1000

References:

- 1) Erickson JD et al. (1996) *Proc Natl Acad Sci USA* 93:5166-5171.
- 2) Giros B et al. (1991) *J Pharmacol Exptl Ther* 56:2139-2142.
- 3) Haycock JW et al. (2003) *J Neurochem* 87:574-585.
- 4) Witkovsky P et al. (2004) *J Comp Neurol* 481:352-362.

Western Blot

Rat caudate lysate showing specific immunolabeling of the ~57k VMAT2 protein.



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