

Anti-Vesicular Monoamine Transporter 2, C-Terminus Antibody

Product Data Sheet · P/N 74117 Rev 02 · Reissued 2026-09-19 (layout only)

Product code	Pack size
P60000-100	100 µL
Host Species	Sheep (Polyclonal)
Mr (kDa)	57

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).

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.

Physical State

Liquid; Buffer contents: 10 mM HEPES (pH 7.5), 150 mM NaCl, 100 µg per mL BSA and 50% glycerol

Purification Method

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

Recommended Antibody Dilutions

WB: 1:1000

Storage/Stability

Stable at -20 °C for at least 1 year.

For long term storage -20 °C is recommended

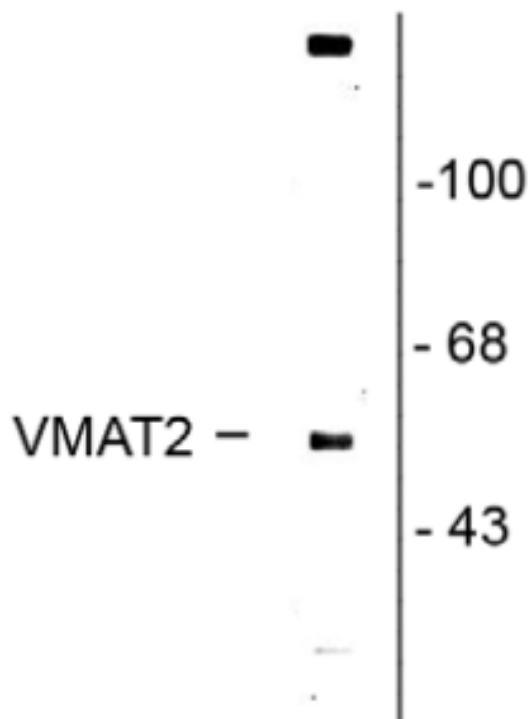
Shipping Conditions

Domestic: Blue Ice

International: Blue Ice or Dry Ice

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 256:2139-2142.
- 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.

For research use or further manufacturing only. Not for use in diagnostic procedures, or for human or animal consumption.