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RABBIT ANTI-VESICULAR MONOAMINE TRANSPORTER 1
AFFINITY PURIFIED
POLYCLONAL ANTIBODY

CATALOG NO: AB1597P

LOT NUMBER:

QUANTITY: 50 μg

CONCENTRATION: 1.0 mg/mL

SPECIFICITY: Vesicular Monoamine Transporter 1 (VMAT1). An antibody made to the C-terminal VMAT1 peptide detected a major band at ~55 kDa in post nuclear supernatants of CHO transfected with VMAT1 and not in wild type cells (2). Some additional bands, both higher and lower molecular weight, were also detected and remain unaffected by the inclusion of protease inhibitors. VMAT1 has been localized in adrenal chromaffin cells, endocrine and paracrine cells associated with the intestine, stomach and sympathetic nervous system (2, 3). VMAT1 has also been found in endosomes of transfected CHO cells and in LDCVs of rat PC12 cells (2).

IMMUNOGEN: A 12 amino acid C-terminal peptide sequence from rat VMAT1 (1). This peptide is predicted to be cytoplasmic.

APPLICATIONS: Western blot: 1-10 μg/mL (Chemiluminescence technique)
Immunohistochemistry: 1-20 μg/mL on paraformaldehyde fixed sections.
ELISA: 0.5-1.0 μg/mL (1 μg/mL VMAT1 peptide (Cat. Number AG250)/well)
Optimal working dilutions must be determined by end user.

SPECIES REACTIVITIES: Rat. Not expected to cross-react with human VMAT1 (4).

FORMAT: Affinity purified immunoglobulin

PRESENTATION: Liquid in PBS with 0.1% BSA.

STORAGE/HANDLING: Maintain at -20°C in undiluted aliquots for up to 6 months after date of receipt. Avoid repeated freeze/thaw cycles.

REFERENCES:

1) *Cell* (1992) **70**:539-551.
2) *J. Cell Biology* (1994) **127**:1419-1433.
3) *J. Mol. Neurosci.* (1994) **5**:149-164.
4) *PNAS* (1996) **93**:5166-5171.
5) Grabner, C.P., et al., *PNAS* (2006) **103**:10035-10040.

Important Note: *During shipment, small volumes of product will occasionally become entrapped in the seal of the product vial. For products with volumes of 200 μL or less, we recommend gently tapping the vial on a hard surface or briefly centrifuging the vial in a tabletop centrifuge to dislodge any liquid in the container's cap.*

FOR RESEARCH USE ONLY; NOT FOR USE IN DIAGNOSTIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION

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