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EUD2801 Polyclonal Antibody to Vesicular Amine Transporter 2 (VMAT2) - Serum

Alternate names: Monoamine transporter, SVMT, Solute carrier family 18 member 2, Synaptic vesicular amine transporter, VAT2, Vesicular amine transporter 2

Quantity: 50 µl

Background: The vesicular monoamine transporter is responsible for the vesicular uptake of monoamines, like dopamine, norepinephrine, epinephrine, serotonin and histamine.

Uniprot ID: Q05940

NCBI: NP_003045.2

GeneID: 6571

Host: Guinea Pig

Immunogen: Synthetic peptide from the C-terminal of Rat VMAT2 conjugated to BSA.
AA Sequence:
C-Q-S-Y-P-I-G-D-D-E-E-S-E-S-D-OH

Format: **State:** Lyophilized Serum
Reconstitution: Dissolve in 50-100 µl distilled water, and dilute further with 0.1M PBS with 1% BSA and 0.09% Sodium Azide.

Applications: **Western Blot** (1/500).
Immunohistochemistry on Frozen Sections: 1/2000-1/3000 using FITC, with over-night incubation at 2-8°C.
Positive Control: Frozen sections of Rat small intestine.
Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity: This antiserum recognizes monoaminergic neurons of the CNS, the ECL-cells of the stomach, as well as enteric nerve fibers.
In Western blot experiments using a crude synaptic vesicle fraction of Rat brain, the 70 kDa of anti-VMaT2 is recognized (Recommended Dilution: 1/500).
Absorption with 10-100 µg immunogen per ml diluted antiserum abolishes the staining.

Species Reactivity: **Tested:** Human, Mouse, Pig and Rat.

Storage: Store undiluted at 2-8°C for one month or (in aliquot) at -20°C for longer.
Avoid repeated freezing and thawing.
Shelf life: one year from despatch.