

Product datasheet for **EUD2801**

VMAT2 (SLC18A2) Guinea Pig Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	Western Blot (1/500). Immunohistochemistry on Frozen Sections: 1/2000-1/3000 using FITC, with over-night incubation at 2-8°C. <i>Positive Control:</i> Frozen sections of Rat small intestine.
Reactivity:	Human, Mouse, Porcine, Rat
Host:	Guinea Pig
Clonality:	Polyclonal
Immunogen:	Synthetic peptide from the C-terminal of Rat VMAT2 conjugated to BSA.
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.
Formulation:	State: Serum State: Lyophilized Serum
Reconstitution Method:	Dissolve in 50-100 µl distilled water, and dilute further with 0.1M PBS with 1% BSA and 0.09% Sodium Azide.
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquot) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	solute carrier family 18 member A2
Database Link:	Entrez Gene 6571 Human Q05940
Background:	The vesicular monoamine transporter is responsible for the vesicular uptake of monoamines, like dopamine, norepinephrine, epinephrine, serotonin and histamine.



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Synonyms: SVMT, VAT2