

VGLUT 3

Cat.No. 135 203; Polyclonal rabbit antibody, 50 µg specific antibody (lyophilized)

Data Sheet

Reconstitution/ Storage	50 µg specific antibody, lyophilized. Affinity purified with the immunogen. Rabbit serum albumin was added for stabilization. For reconstitution add 50 µl H ₂ O to get a 1mg/ml solution in TBS. Then aliquot and store at -20°C until use.
Applications	WB: 1 : 1000 up to 1 : 5000 (AP staining) (see remarks) IP: not tested yet ICC: yes IHC: 1 : 100 up to 1 : 1000 IHC-P/FFPE: 1 : 200 FACS: yes
Immunogen	Recombinant protein corresponding to AA 543 to 601 from mouse VGLUT3 (UniProt Id: Q8BFU8)
Reactivity	Reacts with: rat (Q7TSF2), mouse (Q8BFU8). No signal: human. Other species not tested yet.
Specificity	Specific for mouse VGLUT 3. (K.O. verified)
matching control	135-2P
Remarks	WB: Due to the low abundance of this protein in the brain, immunoblotting is difficult.

TO BE USED IN VITRO / FOR RESEARCH ONLY NOT TOXIC, NOT HAZARDOUS, NOT INFECTIOUS, NOT CONTAGIOUS

The vesicular glutamate transporter 3 **VGLUT 3** is closely related to VGLUT 1 and VGLUT 2 by sequence similarity. However, VGLUT 3 defines a new distinct glutamatergic system in brain which is strictly separated from VGLUT 1 and VGLUT 2 synapses. Co-localization with the acetylcholine transporter VACHT and the monoamine transporter 2 VMaT 2 has been observed.

Selected References SYSY Antibodies

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