Selected References SYSY Antibodies


The vesicular GABA transporter VGAT is responsible for uptake and storage of GABA and glycine by synaptic vesicles in the central nervous system. For this reason it is frequently referred to as the vesicular inhibitory amino acid transporter VIAAT. It is different from the plasma membrane transporters in that it is driven by a proton electrochemical gradient across the vesicle membrane. So far, only one isoform is known. VGAT is currently the best marker for inhibitory nerve terminals.

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

Reconstitution/Storage

50 µg specific antibody, lyophilized. Affinity purified with the immunogen. At 4°C.

Applications

WB: 1: 1000 up to 1: 5000 (AP staining) (see remarks)
ICC: 1: 100 up to 1: 1000
IHC: 1: 500 up to 1: 3000
IHC-P/FFPE: 1: 200 up to 1: 500
EM: yes

Immunogen

Synthetic peptide corresponding to AA 75 to 87 from rat VGAT (UniProt Id: O35458)

Reactivity

Reacts with: human (Q9H598), rat (O35458), mouse (O35633), monkey.

Specificity

Specific for VGAT. (K.O. verified)

Data Sheet

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