

Glycine transporter 2

Cat.No. 272 006; Polyclonal chicken antibody, 50 µg specific antibody (lyophilized)

Data Sheet

Reconstitution/ Storage	50 µg purified IgY, lyophilized. Ovalbumin was added for stabilization. For reconstitution add 50 µl H ₂ O to get a 1mg/ml solution in PBS. Then aliquot and store at -20°C until use. Before storing at -20°C add 1 vol of glycerol.
Applications	WB: not tested yet IP: not tested yet ICC: not tested yet IHC: 1 : 1:500 up to 1 : 1:1000 IHC-P/FFPE: 1 : 500
Immunogen	Recombinant protein corresponding to AA 1 to 229 from rat Glycine transporter2 (UniProt Id: P58295)
Reactivity	Reacts with: rat (P58295), mouse (Q761V0). Other species not tested yet.
Specificity	Specific for Glycine transporter 2
matching control	272-OP

TO BE USED IN VITRO / FOR RESEARCH ONLY

NOT TOXIC, NOT HAZARDOUS, NOT INFECTIOUS, NOT CONTAGIOUS

Glycine is the major inhibitory neurotransmitter in the spinal cord and brainstem. Two differentially expressed **glycine** transporters, **GLYT 1** and **GLYT 2**, regulate the extracellular concentration of this neuroactive amino acid in the synaptic cleft. GLYT 1 is expressed in both neurons as well as in glia with high expression levels in the main olfactory bulb, cerebellum, brainstem and spinal cord and low expression in other brain regions. It has been hypothesized to regulate glycine levels in NMDA receptor-mediated neurotransmission. GLYT 2 shows an axonal localization and is mainly expressed in spinal cord, brain-stem and cerebellum.

Selected General References

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