

SERT

Cat.No. 340 003; 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 PBS. Then aliquot and store at -20°C until use.
Applications	WB: 1 : 1000 up to 1 : 5000 IP: yes ICC: 1 : 500 IHC: 1 : 500 up to 1 : 1000 IHC-P/FFPE: 1 : 200 up to 1 : 500
Immunogen	Recombinant protein corresponding to AA 1 to 77 from mouse SERT (UniProt Id: Q60857)
Reactivity	Reacts with: rat (P31652), mouse (Q60857). Other species not tested yet.
Specificity	Specific for SERT. (K.O. verified)

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

This **serotonin transporter (SERT)**, also referred to as 5HTT and Slc6a4, is a monoamine transporter protein that transports serotonin back from the synaptic cleft into the presynaptic neuron to terminate the action of this neurotransmitter.

Selected References SYSY Antibodies

The development of synaptic transmission is time-locked to early social behaviors in rats.

Naskar S, Narducci R, Balzani E, Cwetsch AW, Tucci V, Cancedda L
Nature communications (2019) 10(1): 1195. **IHC; tested species: rat**

TNFα-dependent anhedonia and upregulation of hippocampal serotonin transporter activity in a mouse model of collagen-induced arthritis.

Brown E, Mc Veigh CJ, Santos L, Gogarty M, Müller HK, Elfving B, Brayden DJ, Haase J
Neuropharmacology (2018) . **WB; tested species: mouse**

Altered dopamine release and monoamine transporters in Vps35 p.D620N knock-in mice.
Cataldi S, Follett J, Fox JD, Tatarnikov I, Kadgien C, Gustavsson EK, Khinda J, Milnerwood AJ, Farrer MJ
NPJ Parkinson's disease (2018) 4: 27. **WB; tested species: mouse**

Selected General References

Axonal targeting of the serotonin transporter in cultured rat dorsal raphe neurons is specified by SEC24C-dependent export from the endoplasmic reticulum.

Montgomery TR, Steinkellner T, Susic S, Koban F, Schüchner S, Ogris E, Sitte HH, Freissmuth M
The Journal of neuroscience : the official journal of the Society for Neuroscience (2014) 34(18): 6344-6351.

Increased hippocampal CA1 density of serotonergic terminals in a triple transgenic mouse model of Alzheimer's disease: an ultrastructural study.

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Serotonin transporter localization in the hamster suprachiasmatic nucleus.

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Serotonin transporter phosphorylation modulated by tetanus toxin.

Najib A, Pelliccioni P, Gil C, Aguilera J
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Cellular localization of serotonin transporter mRNA in the rat brain.

Fujita M, Shimada S, Maeno H, Nishimura T, Tohyama M
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Studies on the serotonin transporter in platelets.

Langer SZ, Galzin AM
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