

For Research Use Only

Serotonin transporter Recombinant antibody

Catalog Number: 84844-3-RR



Basic Information

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|--|--|---|
| Catalog Number: 84844-3-RR | GenBank Accession Number: NM_001045 | Purification Method: Protein A purification |
| Size: 100ul , Concentration: 1000 µg/ml by Nanodrop; | GeneID (NCBI): 6532 | CloneNo.: 242252B9 |
| Source: Rabbit | UNIPROT ID: P31645 | Recommended Dilutions: WB 1:1000-1:6000 |
| Isotype: IgG | Full Name: solute carrier family 6 (neurotransmitter transporter, serotonin), member 4 | |
| | Calculated MW: 70 kDa | |
| | Observed MW: 70 kDa | |

Applications

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| Tested Applications: WB, ELISA | Positive Controls: WB : mouse brain tissue, unboiled mouse brain tissue |
| Species Specificity: human, mouse | |

Background Information

Serotonin transporter (SERT; SLC6A4) belongs to the sodium- and chloride-dependent monoamine transporter family. SERT is a membrane transporter that terminates the neurotransmission of serotonin, a monoaminergic neurotransmitter, through its reuptake. The SERT uptake mechanism acquires energy for active transport via ATP hydrolysis or movement against electrochemical gradients. As an oligomeric N-glycan, SERT contains disulfide bonds between cysteine residues on the second extracellular domain. Post-translational modifications regulate the uptake kinetics and membrane trafficking of SERT, partly by regulating the proper folding and assembly of SERT in a host-dependent manner (PMID: 30394319).

Storage

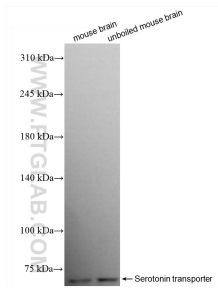
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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W: ptglab.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 84844-3-RR (Serotonin transporter antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.