For Research Use Only

Serotonin transporter Recombinant antibody, PBS Only

Catalog Number:84844-3-PBS

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Basic Information

Catalog Number:
84844-3-PBS

Size:
1 mg/ml

Source:
Rabbit

Isotype:
IgG

GenBank Accession Number:
NM_001045

GeneID (NCBI):
6532

UNIPROT ID:
P31645

Full Name:
solute carrier family 6 (neurotransmitter transporter, serotonin), member 4

Calculated MW:
70 kDa

Observed MW:
70 kDa

Purification Method:
Protein A purfication

CloneNo.:
242252B9

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
human, mouse

Background Information

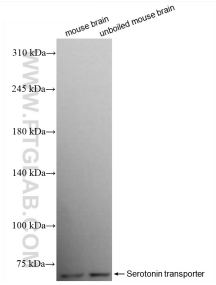
Serotonin transporter (SERT; SLC6A4) belongs to the sodium- and chloride-dependent monoamine transporter family. SERT is a membrane transporter that terminates the neurotransmission of serotonin, a monoaminergic neurotransmitter, through its reuptake. The SERT uptake mechanism acquires energy for active 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 -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C
Storage Buffer:
PBS Only

For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

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. This data was developed using the same antibody clone with 84844-3-PBS in a different storage buffer formulation.