

For Research Use Only

Serotonin transporter Polyclonal antibody



Catalog Number: 29186-1-AP

Basic Information

Catalog Number: 29186-1-AP	GenBank Accession Number: NM_001045	Purification Method: Antigen affinity purification
Size: 550 µg/ml	GeneID (NCBI): 6532	Recommended Dilutions: WB 1:500-1:2000
Source: Rabbit	UNIPROT ID: P31645	
Isotype: IgG	Full Name: solute carrier family 6 (neurotransmitter transporter, serotonin), member 4	
Immunogen Catalog Number: AG30412	Calculated MW: 70 aa	
	Observed MW: 70 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : SH-SY5Y cells, RAW 264.7 cells
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 via 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, in part 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

For technical support and original validation data for this product please contact:

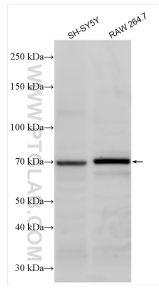
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 29186-1-AP (Serotonin transporter antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.