

Rabbit anti-Rat Serotonin transporter Polyclonal Antibody | anti-SLC6A4 antibody

Anti-Serotonin transporter antibody

CATALOG # AAA45132	HOST Rabbit	REACTIVITY Rat	APPLICATIONS Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

Serotonin transporter; Polyclonal Antibody; Anti-Serotonin transporter antibody; Sodium-dependent serotonin transporter; solute carrier family 6(neurotransmitter transporter; serotonin); member 5; 5 HTT antibody; 5 HTTLPR antibody; 5 hydroxytryptamine(serotonin) transporter antibody; 5 hydroxytryptamine transporter antibody; 5HT transporter antibody; 5HTT antibody; hSERT antibody; HTT antibody; Na⁺/Cl⁻ dependent serotonin transporter antibody; OCD1 antibody; SC6A4_HUMAN antibody; Serotonin transporter 1 antibody; SERT antibody; SERT1 antibody; SLC6A4 antibody; Sodium dependent serotonin transporter antibody; Sodium-dependent serotonin transporter antibody; Solute carrier family 6(neurotransmitter transporter) member 4 antibody; member 4 antibody; Solute carrier family 6 member 4 antibody; anti-SLC6A4 antibody

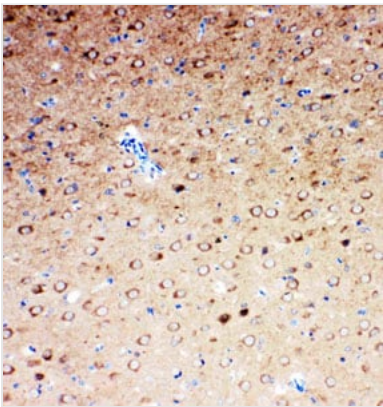
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	No cross reactivity with other proteins
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized
Sequence Length	630
Applicable Applications for anti-SLC6A4 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of rat Serotonin transporter (7-24aa NSQKVLSECKDREDCQEN), different from the related mouse sequence by one amino acid.
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg NaN ₃ .
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

IMAGES



WB (Western Blot)
Anti-SLC6A4 antibody, AAA45132, Western blottingWB: Rat Brain Tissue Lysate



IHC (Immunohistochemistry)
Anti-SLC6A4 antibody, AAA45132, IHC(P)IHC(P): Rat Brain Tissue

ADDITIONAL INFORMATION

Related Product Information for anti-SLC6A4 antibody	Description: Rabbit IgG polyclonal antibody for Sodium-dependent serotonin transporter(SLC6A4) detection. Tested with WB, IHC-P in Rat. Background: SLC6A4(Solute carrier family 6, member 4), also known as SERT(serotonin transporter), is a monoamine transporter protein. The SLC6A4 gene spans 31 kb and contains 14 exons. This protein integral membrane protein that transports the neurotransmitter serotonin from synaptic spaces into presynaptic neurons. This transport of serotonin by the SERT protein terminates the action of serotonin and recycles it in a sodium-dependent manner. This protein is the target of many antidepressant medications, including those of the SSRI class. It is a member of the sodium:neurotransmitter symporter family. A repeat length polymorphism in the promoter of this gene has been shown to affect the rate of serotonin uptake and may play a role in sudden infant death syndrome, aggressive behavior in Alzheimer disease patients, post-traumatic stress disorder and depression-susceptibility in people experiencing emotional trauma.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	400629
NCBI GeneID	25553
UniProt Accession #	P31652; P23976
Molecular Weight	70,172 Da
NCBI Official Full Name	Sodium-dependent serotonin transporter
NCBI Official Synonym Full Names	solute carrier family 6 (neurotransmitter transporter), member 4
NCBI Official Symbol	Slc6a4
NCBI Protein Information	sodium-dependent serotonin transporter; 5HTT; 5HT transporter; solute carrier family 6, member 4; solute carrier family 6 (neurotransmitter transporter, serotonin), member 4; Solute carrier family 6 (neurotransmitter transporter serotonin) member 4 (5-hydroxytryptamine (serotonin) transporter); solute carrier family 6 (neurotransmitter transporter serotonin) member 4 (5-hydroxytryptamine (serotonin) transporter)
UniProt Protein Name	Sodium-dependent serotonin transporter
UniProt Gene Name	Slc6a4
UniProt Synonym Gene Names	5HTT
UniProt Entry Name	SC6A4_RAT

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

