

anti-Human, Rat SLC6A4 Polyclonal Antibody | anti-SLC6A4 antibody

Anti-SLC6A4 Antibody

CATALOG # AAA46468	REACTIVITY Human, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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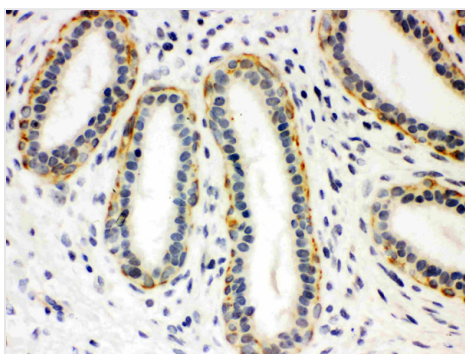
PRODUCT SYNONYMS

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

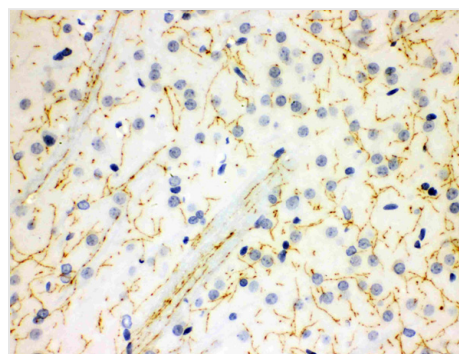
PRODUCT SPECIFICATIONS

Reactivity	Human, Rat
Clonality	Polyclonal
Purity/Purification	Immunogen Affinity Purified
Form/Format	Lyophilized. Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Na ₃ N.
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 human SLC6A4 (57-85aa DDTRHSIPATTTTLVAELHQGERETWGKK), different from the related mouse and rat sequences by six amino acids.
Ig Type	Rabbit IgG
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquoted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

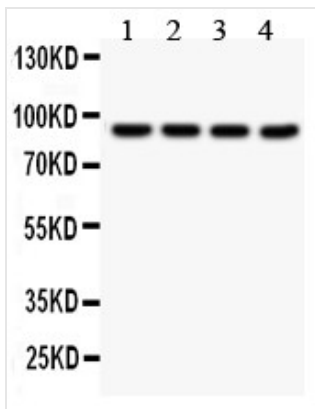
IMAGES


IHC (Immunohistochemistry)

Anti- SLC6A4 Picoband antibody, AAA46468, IHC(P)IHC(P): Human Mammary Cancer Tissue


IHC (Immunohistochemistry)

Anti- SLC6A4 Picoband antibody, AAA46468, IHC(P)IHC(P): Rat Brain Tissue



WB (Western Blot)

Anti- SLC6A4 Picoband antibody, AAA46468, Western blottingAll lanes: Anti SLC6A4 (AAA46468) at 0.5ug/mlLane 1: A549 Whole Cell Lysate at 40ugLane 2: MM231 Whole Cell Lysate at 40ugLane 3: HELA Whole Cell Lysate at 40ugLane 4: 22RV1 Whole Cell Lysate at 40ugPredicted bind size: 70KDObserved bind size: 90KD

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 Human;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 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.
References	1. Kim, S.-J., Cox, N., Courchesne, R., Lord, C., Corsello, C., Akshoomoff, N., Guter, S., Leventhal, B. L., Courchesne, E., Cook, E. H., Jr. Transmission disequilibrium mapping at the serotonin transporter gene (SLC6A4) region in autistic disorder. <i>Molec. Psychiat.</i> 7: 278-288, 2002. 2. Lesch, K.-P., Bengel, D., Heils, A., Sabol, S. Z., Greenberg, B. D., Petri, S., Benjamin, J., Muller, C. R., Hamer, D. H., Murphy, D. L. Association of anxiety-related traits with a polymorphism in the serotonin transporter gene regulatory region. <i>Science</i> 274: 1527-1530, 1996. 3. Shen, S., Battersby, S., Weaver, M., Clark, E., Stephens, K., Harmar, A. J. Refined mapping of the human serotonin transporter (SLC6A4) gene within 17q11 adjacent to the CPD and NF1 genes. <i>Europ. J. Hum. Genet.</i> 8: 75-78, 2000.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4507043
NCBI GeneID	6532
NCBI Accession #	NP_001036.1
NCBI GenBank Nucleotide #	NM_001045.5
UniProt Accession #	P31645; Q5EE02; AAB26687
Molecular Weight	74,979 Da
NCBI Official Full Name	sodium-dependent serotonin transporter
NCBI Official Synonym Full Names	solute carrier family 6 member 4
NCBI Official Symbol	SLC6A4
NCBI Official Synonym Symbols	HTT; 5HTT; OCD1; SERT; 5-HTT; SERT1; hSERT; 5-HTTLPR

NCBI Protein Information	sodium-dependent serotonin transporter
UniProt Protein Name	Sodium-dependent serotonin transporter
UniProt Gene Name	SLC6A4
UniProt Synonym Gene Names	HTT; SERT; 5HTT
UniProt Entry Name	SC6A4_HUMAN

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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/slc6a4-antibody-immunohistochemistry-western-blot-elisa/46468>