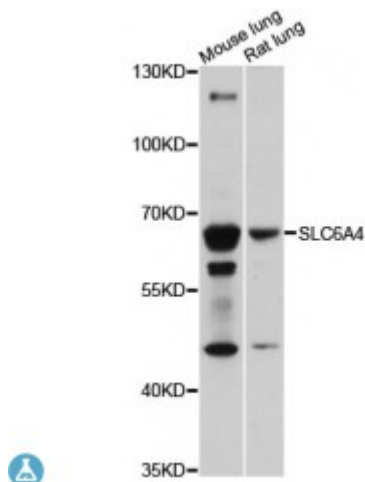


Anti-SLC6A4 Antibody



Description

This gene encodes an integral membrane protein that transports the neurotransmitter serotonin from synaptic spaces into presynaptic neurons. The encoded protein terminates the action of serotonin and recycles it in a sodium-dependent manner. This protein is a target of psychomotor stimulants, such as amphetamines and cocaine, and 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, and depression-susceptibility in people experiencing emotional trauma.

Model	STJ116982
Host	Rabbit
Reactivity	Mouse, Rat
Applications	WB
Immunogen	A synthetic peptide corresponding to a sequence within amino acids 500 to the C-terminus of human SLC6A4 (NP_001036.1).
Gene ID	6532
Gene Symbol	SLC6A4
Dilution range	WB 1:500 - 1:2000
Tissue Specificity	Expressed in platelets (at protein level)
Purification	Affinity purification
Note	For Research Use Only (RUO).

Protein Name	Sodium-dependent serotonin transporter SERT 5HT transporter 5HTT Solute carrier family 6 member 4
Molecular Weight	70.325 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Storage Instruction	Store at -20C. Avoid freeze / thaw cycles.
Database Links	HGNC:11050 MIM:103780 Reactome:R-HSA-380615
Alternative Names	Sodium-dependent serotonin transporter SERT 5HT transporter 5HTT Solute carrier family 6 member 4
Function	Serotonin transporter whose primary function in the central nervous system involves the regulation of serotonergic signaling via transport of serotonin molecules from the synaptic cleft back into the pre-synaptic terminal for re-utilization, Plays a key role in mediating regulation of the availability of serotonin to other receptors of serotonergic systems, Terminates the action of serotonin and recycles it in a sodium-dependent manner,
Cellular Localization	Cell membrane,
Post-translational Modifications	Glycosylated