

SC6A4 rabbit pAb

Cat No.:ES13189

For research use only

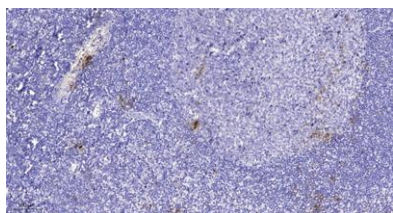
Overview

Product Name	SC6A4 rabbit pAb
Host species	Rabbit
Applications	WB;IHC;IF;ELISA
Species Cross-Reactivity	Human; Mouse; Rat
Recommended dilutions	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/40000. Not yet tested in other applications.
Immunogen	Synthesized peptide derived from human SC6A4
Specificity	This antibody detects endogenous levels of human SC6A4
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	SC6A4
Gene Name	SLC6A4 HTT SERT
Cellular localization	Cell membrane ; Multi-pass membrane protein . Endomembrane system ; Multi-pass membrane protein . Endosome membrane ; Multi-pass membrane protein . Cell junction, synapse . Cell junction, focal adhesion . Could be part of recycling endosomes (PubMed:16870
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	69kD
Human Gene ID	6532
Human Swiss-Prot Number	P31645
Alternative Names	Sodium-dependent serotonin transporter (5HT transporter;5HTT;Solute carrier family 6 member 4)
Background	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. [provided by RefSeq, Jul 2008],



Immunohistochemical analysis of paraffin-embedded human tonsil. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).

