

# Immunotag™ SC6A4 Polyclonal Antibody

Antibody Specification	
Catalog No.	ITN2915
Product Description	Immunotag™ SC6A4 Polyclonal Antibody
Size	50 µg, 100 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	SC6A4
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,ELISA
Recommended Dilution	WB 1:500-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Reactive Species	Human,Mouse,Rat
Host Species	Rabbit
Immunogen	Synthesized peptide derived from part region of human protein
Specificity	SC6A4 Polyclonal Antibody detects endogenous levels of protein.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen
Form	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Gene Name	SLC6A4 HTT SERT
Accession No.	P31645 Q60857 P31652

## Antibody Specification

Description	solute carrier family 6 member 4(SLC6A4) Homo sapiens 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],
Protein Expression	Brain,Lung,Placenta,Platelet,
Subcellular Localization	cytosol,plasma membrane,integral component of plasma membrane,endosome membrane,endomembrane system,integral component of membrane,neuron projection,membrane raft,presynapse,
Protein Function	function:Terminates the action of serotonin by its high affinity sodium-dependent reuptake into presynaptic terminals.,miscellaneous:This protein is the target of psychomotor stimulants such as amphetamines or cocaine.,online information:Serotonin transporter entry,online information:The Singapore human mutation and polymorphism database,polymorphism:A polymorphism in the promoter region (5-HTT gene-linked polymorphic region, 5-HTTLPR) is located approximately 1 kb upstream of the transcription initiation site and is composed of 16 repeat elements. The polymorphism consists of a 44-bp insertion or deletion involving repeat elements 6 to 8. The short allele is associated with lower transcriptional efficiency of the promoter compared with the long allele. Over half of the Caucasian population has a short allele. Individuals with one or two copies of the short allele exhibit more depressive symptoms, diagnosable depression and suicidality in relation to stressful life events than individuals homozygous for the long allele.,polymorphism:Genetic variations in SLC6A4 determine the genetic susceptibility to alcoholism [MIM:103780].,polymorphism:The polymorphism Val-425 seems to be linked to a susceptibility to obsessive-compulsive disorder (OCD) [MIM:164230].,similarity:Belongs to the sodium:neurotransmitter symporter (SNF) family.,subunit:Interacts with TGFB1I1.,
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