SC6A3 Monoclonal Antibody

Catalog No	YP-mAb-06215
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	SLC6A3 DAT1
Protein Name	Sodium-dependent dopamine transporter (DA transporter) (DAT) (Solute carrier family 6 member 3)
Immunogen	Synthesized peptide derived from part region of human protein
Specificity	SC6A3 Monoclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	68kD
Cell Pathway	Cell membrane ; Multi-pass membrane protein . Cell projection, neuron projection . Cell projection, axon . Localizes to neurite tips in neuronal cells (By similarity). Colocalizes with SEPTIN4 at axon terminals, especially at the varicosities (By similarity). .
Tissue Specificity	Highly expressed in substantia nigra (PubMed:7637582). Expressed in axonal varicosities in dopaminergic nerve terminals (at protein level) (PubMed:17296554). Expressed in the striatum (at protein level) (PubMed:17296554).
Function	function:Amine transporter. Terminates the action of dopamine 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:Dopamine transporter entry,similarity:Belongs to the sodium:neurotransmitter symporter (SNF) family.,subunit:Homooligomer; disulfide-linked. Interacts with PRKCABP and TGFB1I1.,
Background	This gene encodes a dopamine transporter which is a member of the sodium- and chloride-dependent neurotransmitter transporter family. The 3' UTR of this gene contains a 40 bp tandem repeat, referred to as a variable number tandem repeat or VNTR, which can be present in 3 to 11 copies. Variation in the

	number of repeats is associated with idiopathic epilepsy, attention-deficit hyperactivity disorder, dependence on alcohol and cocaine, susceptibility to Parkinson disease and protection against nicotine dependence.[provided by RefSeq, Nov 2009],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images