



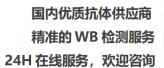
SC6A3 Polyclonal Antibody

Catalog No	BYab-06215
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB;ELISA
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 Polyclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000 ELISA 1:5000-20000
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 TGFB111.,

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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

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