



Rabbit Anti-phospho-Dopamine Transporter (Thr53) antibody

SL14408R

Product Name:	phospho-Dopamine Transporter (Thr53)
Chinese Name:	磷酸化多巴胺TransporterDAT抗体
Alias:	Dopamine Transporter (phospho T53); p-Dopamine Transporter (phospho T53); p-DAT1(phospho T53); DA transporter; DAT 1; DAT; SC6A3_RAT; DAT1; Dopamine transporter 1; Dopamine transporter; PKDYS; SC6A3_HUMAN; SLC6A3; Sodium dependent dopamine transporter; Sodium-dependent dopamine transporter; Solute carrier family 6 (neurotransmitter transporter dopamine), member 3; Solute carrier family 6 (neurotransmitter transporter), member 3; Solute carrier family 6 member 3; Variable number tandem repeat (VNTR).
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Mouse,Rat,Horse,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	69kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated Synthesised phosphopeptide derived from mouse Dopamine Transporter around the phosphorylation site of Thr53:PQ(p-T)PV
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year

	when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	<p>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]</p> <p>Function: Amine transporter. Terminates the action of dopamine by its high affinity sodium-dependent reuptake into presynaptic terminals.</p> <p>Subcellular Location: Membrane.</p> <p>DISEASE: Defects in SLC6A3 are the cause of dystonia-parkinsonism infantile (DYTPRI) [MIM:613135]. It is a neurodegenerative disorder characterized by infantile onset of parkinsonism and dystonia. Other neurologic features include global developmental delay, bradikinesia and pyramidal tract signs.</p> <p>Similarity: Belongs to the sodium:neurotransmitter symporter (SNF) (TC 2.A.22) family. SLC6A3 subfamily.</p> <p>SWISS: Q61327</p> <p>Gene ID: 13162</p> <p>Database links:</p> <p>Entrez Gene: 6531Human Entrez Gene: 13162Mouse Entrez Gene: 24898Rat Omim: 126455Human SwissProt: Q01959Human SwissProt: Q61327Mouse</p>

[SwissProt: P23977](#)Rat

[Unigene: 406](#)Human

[Unigene: 41993](#)Mouse

[Unigene: 10093](#)Rat

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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