SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-phospho-Dopamine Transporter (Thr53)antibody

Catalog Number: SL14408R

FOR RESEARCH USE ONLY

[DATASHEET]

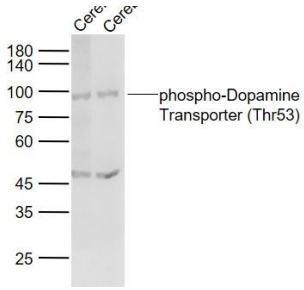
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	phospho-Dopamine Transporter (Thr53)
Immunogen:	KLH conjugated Synthesised phosphopeptide derived from mouse Dopamine Transporter around the phosphorylation site of Thr53: PQ(p-T)PV
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB=1:500-2000 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Mouse,Rat(predicted:Horse)
Predicted MW.:	69kDa
Subcellular Location:	The cell membrane
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] **Function:** Amine transporter. Terminates the action of dopamine by its high affinity sodium-dependent reuptake into presynaptic terminals. **Subcellular Location:** Membrane. 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

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	neurologic features include global developmental delay, bradikinesia and pyramidal tract signs. **Similarity:** Belongs to the sodium:neurotransmitter symporter (SNF) (TC 2.A.22) family. SLC6A3 subfamily. **Database links:** **Entrez Gene:** 6531 Human **Entrez Gene:** 13162 Mouse **Entrez Gene:** 24898 Rat Omim: 126455 Human **SwissProt:** Q01959 Human **SwissProt:** Q61327 Mouse **SwissProt:** P23977 Rat **Unigene:** 406 Human **Unigene:** 41993 Mouse **Unigene:** 10093 Rat

[VALIDATION IMAGES]



Sample:
Lane 1: Cerebrum (Mouse) Lysate at 40 ug
Lane 2: Cerebrum (Rat) Lysate at 40 ug
Primary: Anti-phospho-Dopamine Transporter (Thr53) (SL14408R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 69 kD
Observed band size: 95 kD

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