

Rabbit anti-Rat Dopamine Transporter (Thr53) Polyclonal Antibody | anti-SLC6A3 antibody

Anti-Phospho-Thr53 Dopamine Transporter (DAT)

CATALOG # AAA72821	HOST Rabbit	REACTIVITY Rat	APPLICATIONS Western Blot
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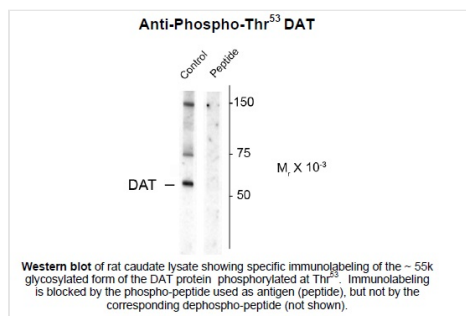
PRODUCT SYNONYMS

Dopamine Transporter (Thr53); Polyclonal Antibody; Anti-Phospho-Thr53 Dopamine Transporter (DAT); anti-SLC6A3 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Rat
Clonality	Polyclonal
Specificity	Specific for the ~55k glycosylated form of the DAT protein phosphorylated at Thr53. Relative mobility may vary depending on the state of glycosylation of the DAT protein. Immunolabeling of the DAT band is blocked by preadsorption with the phospho-peptide used as antigen but not by the corresponding dephospho-peptide.
Purity/Purification	Affinity Purified (Prepared from rabbit serum by affinity purification via sequential chromatography on phospho- and dephosphopeptide affinity columns.)
Form/Format	100 ul in 10 mM HEPES (pH 7.5), 150 mM NaCl, 100 ug per ml BSA and 50% glycerol. Adequate amount of material to conduct 10-mini Western Blots.
Sequence Length	620
Applicable Applications for anti-SLC6A3 antibody	WB (Western Blot)
Preparation and Storage	For long term storage -80 degree C is recommended, but shorter term storage at -20 degree C is also acceptable as aliquots may be taken without freeze/thawing due to the presence of 50% glycerol. Stock solutions are stable for a minimum of 1 year at -20 degree C.

IMAGES



Application Data

ADDITIONAL INFORMATION

Related Product Information for anti-SLC6A3 antibody	Affinity purified rabbit polyclonal antibody
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References	• Kish SJ, Kalasinsky KS, Derkach P, Schmunk GA, Guttman M, Ang L, Adams V, Furukawa Y, Haycock JW (2001) Striatal dopaminergic and serotonergic markers in human heroin users. Neuropsychopharmacology 24:561-567. • Wilson JM, Kalasinsky KS, Levey AI, Bergeron C, Reiber G, Anthony RM, Schmunk GA, Shannak K, Haycock JW, Kish SJ (1996) Striatal dopamine nerve terminal markers in human, chronic methamphetamine users. Nat Med 2:699-703. • Zhu MY, Klimek V, Haycock JW, Ordway GA (2000) Quantitation of tyrosine hydroxylase protein in the locus coeruleus from postmortem human brain. J Neurosci Meth 99:37-44. • Zhu MY, Klimek V, Dilley GE, Haycock JW, StockmeierC, Overholser JC, Meltzer HY, Ordway GA (1999) Elevated levels of tyrosine hydroxylase in the locus coeruleus in major depression. Biol Psychiatry 46:1275-1286. • James D. Foster, Jae-Won Yang, Amy E. Moritz, Sathyavathi ChallaSivaKanaka, Margaret A. Smith, Marion Holy, Kyle Wilebski, Harald H. Sitte, and Roxanne A. Vaughan (2012) Dopamine Transporter Phosphorylation Site Threonine 53 Regulates Substrate Reuptake and Amphetamine-stimulated Efflux. Journal of Biological Chemistry 287(35):29702-29712.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	7108463
NCBI GeneID	6531
UniProt Accession #	Q01959; Q14996; A2RUN4
NCBI Official Full Name	dopamine transporter
NCBI Official Synonym Full Names	solute carrier family 6 (neurotransmitter transporter), member 3
NCBI Official Symbol	SLC6A3
NCBI Official Synonym Symbols	DAT; DAT1; PKDYS
NCBI Protein Information	sodium-dependent dopamine transporter; DA transporter; dopamine transporter 1; solute carrier family 6 member 3; solute carrier family 6 (neurotransmitter transporter, dopamine), member 3
UniProt Protein Name	Sodium-dependent dopamine transporter
UniProt Gene Name	SLC6A3
UniProt Synonym Gene Names	DAT1; DA transporter; DAT
UniProt Entry Name	SC6A3_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.