

Mouse anti-Rat Dopamine Transporter Monoclonal Antibody | anti-SLC6A3 antibody

Mouse Anti-Dopamine Transporter [6V-23-23]

CATALOG # AAA59518	HOST Mouse	REACTIVITY Rat	APPLICATIONS Immunofluorescence, Western Blot
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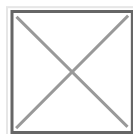
PRODUCT SYNONYMS

Dopamine Transporter; Monoclonal Antibody; Mouse Anti-Dopamine Transporter [6V-23-23]; DA transporter antibody; DAT 1 antibody; DAT antibody; DAT1 antibody; Dopamine transporter antibody; SC6A3_HUMAN antibody; anti-SLC6A3 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Rat
Clonality	Monoclonal
Isotype	IgG1
Clone Number	6V-23-23
Specificity	Rat DAT; cross reacts with mouse DAT (other species not tested); little to no human reactivity.
Purity/Purification	Protein A affinity-purified
Form/Format	Constituted in 0.02M Potassium Phosphate, 0.15M sodium chloride, 0.1% sodium azide; pH 7.2.
Concentration	1.62mg/ml (varies by lot)
Sequence Length	620
Applicable Applications for anti-SLC6A3 antibody	IF (Immunofluorescence), WB (Western Blot)
Preparation and Storage	Store at 4°C for one month, or in small aliquots at -20°C for longer periods. Storage in frost-free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody.

IMAGES



IF (Immunofluorescence)

ADDITIONAL INFORMATION

References	Gaffaney JD, Vaughan RA. Uptake inhibitors but not substrates induce protease resistance in extracellular loop two of the dopamine transporter. Mol Pharmacol. 2004 Mar;65(3):692-701. PUBMED Cremona M.L.et al. Flotillin-1 is essential for PKC-triggered endocytosis and membrane microdomain localization of DAT. Nat Neurosci. 2011; 14(4):469-77 PUBMED Foster JD, et al. Palmitoylation controls dopamine transporter kinetics, degradation, and protein kinase C-dependent regulation. J Biol Chem. 2011; 286(7):5175-86 PUBMED
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NCBI AND UNIPROT INFORMATION

NCBI GI #	7108463
NCBI GeneID	6531
UniProt Accession #	Q01959; Q14996; A2RUN4
Molecular Weight	68,495 Da
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 (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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/dopamine-transporter-antibody-clone-6v-23-23-immunofluorescence-western-blot-elisa/59518>