

# Product Datasheet

## SLC6A3/DAT1 Antibody - Azide Free NB300-254

Unit Size: 0.1 ml

Store at -20C. Avoid freeze-thaw cycles.

[www.novusbio.com](http://www.novusbio.com)



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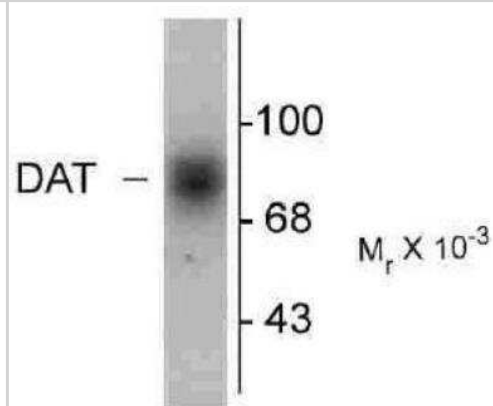


**NB300-254****SLC6A3/DAT1 Antibody - Azide Free**

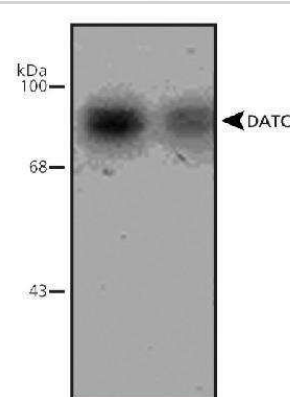
<b>Product Information</b>	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	Please see the vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at -20C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	No Preservative
<b>Isotype</b>	IgG
<b>Purity</b>	Antigen Affinity-purified
<b>Buffer</b>	10mM HEPES (pH 7.5), 0.15M NaCl, 0.1 mg/ml BSA and 50% Glycerol
<b>Target Molecular Weight</b>	80 kDa
<b>Product Description</b>	
<b>Host</b>	Rabbit
<b>Gene ID</b>	6531
<b>Gene Symbol</b>	SLC6A3
<b>Species</b>	Human, Mouse, Rat, Hamster, Primate, Golden Syrian Hamster
<b>Reactivity Notes</b>	Hamster reported in literature (PMID: 22357095). Golden Syrian Hamster reactivity reported in scientific literature (PMID: 22357095).
<b>Specificity/Sensitivity</b>	Specific for endogenous levels of the ~80 kDa DAT protein. Diffuse band may be observed between ~70-85 kDa due to variable glycosylation.
<b>Immunogen</b>	Synthetic peptide corresponding to amino acid residues from the intracellular C-terminal region conjugated to KLH. Accession # Q01959
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin
<b>Recommended Dilutions</b>	Western Blot 1:1000, Immunohistochemistry 1:10-1:500, Immunohistochemistry-Paraffin 1:10-1:500, Immunohistochemistry-Frozen 1:1000
<b>Application Notes</b>	Use in Immunohistochemistry-Paraffin reported in scientific literature (PMID 22357095)

## Images

Western Blot: SLC6A3/DAT1 Antibody [NB300-254] - Western blot of human caudate lysate showing specific immunolabeling of the ~88k DAT protein.



Western Blot: SLC6A3/DAT1 Antibody [NB300-254] - Detection of Dopamine Transporter in human caudate lysate using NB 300-254.



## Publications

Nguyen, MT;Vemaraju, S;Nayak, G;Odaka, Y;Buhr, ED;Alonzo, N;Tran, U;Batie, M;Upton, BA;Darvas, M;Kozmik, Z;Rao, S;Hegde, RS;Iuvone, PM;Van Gelder, RN;Lang, RA; An opsin 5-dopamine pathway mediates light-dependent vascular development in the eye *Nat. Cell Biol.* 2019-04-01 [PMID: 30936473] (WB, Mouse)

Xue X, Yang JY, He Y et al. Aggregated single-walled carbon nanotubes attenuate the behavioural and neurochemical effects of methamphetamine in mice. *Nat Nanotechnol* 2016-01-01 [PMID: 26974957] (WB, Mouse)

Savolainen MH, Richie CT, Harvey BK et al. The beneficial effect of a prolyl oligopeptidase inhibitor, KYP-2047, on alpha-synuclein clearance and autophagy in A30P transgenic mouse. *Neurobiol. Dis.* 2014-04-16 [PMID: 24746855] (WB, IHC-Fr, Mouse)

Rodriguez S, Uchida K, Nakayama H. Immunohistochemical changes of nigrostriatal tyrosine hydroxylase and dopamine transporter in the golden hamster after a single intrastriatal injection of 6-hydroxydopamine. *Exp Toxicol Pathol.* 2012-02-20 [PMID: 22357095] (IHC-P, Golden Syrian Hamster)



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### **Products Related to NB300-254**

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HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
H00006531-Q01-10ug	Recombinant Human SLC6A3/DAT1 GST (N-Term) Protein

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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