

Datasheet: 0100-0075

Description:	RAT ANTI HUMAN DOPAMINE TRANSPORTER
Specificity:	DOPAMINE TRANSPORTER
Format:	S/N
Product Type:	Monoclonal Antibody
Clone:	DAT-Nt(4F8)
Isotype:	IgG2a
Quantity:	0.1 ml

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.abdserotec.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			■	
Immunohistology - Frozen	■			1/1000 - 1/10 000
Immunohistology - Paraffin			■	
ELISA			■	
Western Blotting	■			

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using the appropriate negative/positive controls.

Target Species	Human
Species Cross Reactivity	Reacts with: Monkey, Mouse, Rat N.B. Antibody reactivity and working conditions may vary between species.
Product Form	Tissue Culture Supernatant - liquid
Preservative Stabilisers	None present
Immunogen	N-terminus of human dopamine transporter fused to Glutathione S-transferase.
External Database Links	UniProt: Q01959 SC6A3_HUMAN Related reagents Entrez Gene: 6531 SLC6A3 Related reagents
Synonyms	DAT1
Specificity	0100-0075 is specific for the dopamine transporter, N-terminus. It does not cross react with serotonin and norepinephrine transporters.
Histology Positive Control Tissue	Brain (caudate, putamen and nucleus accumbens).
Western Blotting	0100-0075 recognises a diffuse band at approximately 70-85 kDa on extracts from human caudate, putamen and nucleus accumbens.

References	1. Miller, G.W. <i>et al.</i> (1997) Immunochemical analysis of dopamine transporter protein in Parkinson's disease. Ann Neurol. 41:530-539. 2. Kwon, O.B. <i>et al</i> (2008) Neuregulin-1 regulates LTP at CA1 hippocampal synapses through activation of dopamine D4 receptors. Proc Natl Acad Sci U S A. 105: 15587-92.
Storage	Store at -20°C only. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.
Shelf Life	18 months from date of despatch.
Health And Safety Information	Material Safety Datasheet Documentation #10218 available at: http://www.abdserotec.com/uploads/MSDS/10218.pdf
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Rat IgG (STAR131...)	Alk. Phos., Biotin
Rabbit Anti Rat IgG (STAR16...)	DyLight®800
Goat Anti Rat IgG (STAR73...)	RPE
Goat Anti Rat IgG (STAR80...)	FITC
Rabbit Anti Rat IgG (STAR20...)	RPE
Goat Anti Rat IgG (STAR72...)	HRP
Rabbit Anti Rat IgG (STAR17...)	FITC
Goat Anti Rat IgG (STAR69...)	FITC
Rabbit Anti Rat IgG (STAR21...)	HRP
Goat Anti Rat IgG (MOUSE ADSORBED) (STAR71...)	DyLight®800

North & South America Tel: +1 800 265 7376
 Fax: +1 919 878 3751
 Email: sales.us@abdserotec.com

Worldwide

Tel: +44 1865 852 700
 Fax: +44 1865 852 739
 Email: sales@abdserotec.com

Europe

Tel: 00800 2255 4223
 Fax: 00800 2329 2223
 Email: sales.eu@abdserotec.com

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