

Datasheet: AHP932

Description:	RABBIT ANTI HUMAN DOPAMINE TRANSPORTER (C-TERMINAL)
Specificity:	DOPAMINE TRANSPORTER (C-TERMINAL)
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
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.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			▪	
Immunohistology - Frozen	▪			1/1000
Immunohistology - Paraffin			▪	
ELISA			▪	
Immunoprecipitation			▪	
Western Blotting	▪			1/1000

Where this antibody 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 antibody for use in their own system using appropriate negative/positive controls.

Target Species

Human

Species Cross Reactivity

Reacts with: Monkey, Mouse

N.B. Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.

Product Form

Purified IgG - liquid

Antiserum Preparation

Antisera to human dopamine transporter (CT) were raised by repeated immunisations of rabbits with highly purified antigen. Purified IgG was prepared from whole serum by affinity chromatography.

Buffer Solution

10mM HEPES pH7.5

150mM NaCl

Preservative
Stabilisers

0.09% Sodium Azide
0.01% Bovine Serum Albumin
50% Glycerol

Immunogen

Keyhole limpet haemocyanin conjugated synthetic peptide corresponding to the C-terminus region (CT) of human dopamine transporter.

External Database
Links

UniProt:
[Q01959](#) [Related reagents](#)

Entrez Gene:
[6531](#) SLC6A3 [Related reagents](#)

Synonyms

DAT1

RRID

AB_2286179

Specificity

Rabbit anti Human dopamine transporter antibody recognizes an epitope within the C-terminal region of dopamine transporter (DAT), also known as solute carrier family 6.

DAT is principally expressed in the presynaptic membrane of dopaminergic nerve terminals, where it mediates the rapid removal of dopamine from the synaptic cleft after neuronal stimulation. As such, DAT plays an important role in regulating the availability of dopamine in the synaptic cleft and thus in modulating the physiological functions of dopamine.

The reuptake of dopamine by DAT is inhibited by psychostimulants such as cocaine and amphetamine.

Western Blotting

AHP932 detects a band of approximately 88kDa in human caudate cell lysates.

References

1. Mozley, L.H. *et al.* (2001) Striatal dopamine transporters and cognitive functioning in healthy men and women. [Am J Psychiatry. 158 \(9\): 1492-9.](#)

Storage

This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.

Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.

Guarantee

12 months from date of despatch

Health And Safety
Information

Material Safety Datasheet documentation #10088 available at:
<https://www.bio-rad-antibodies.com/SDS/AHP932>

RegulatoryFor research purposes only

Related Products

Recommended Secondary Antibodies

- Sheep Anti Rabbit IgG (STAR34...) [FITC](#)
- Sheep Anti Rabbit IgG (STAR35...) [RPE](#)
- Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)
- Sheep Anti Rabbit IgG (STAR36...) [DyLight®488](#), [DyLight®680](#), [DyLight®800](#)
- Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)

Recommended Useful Reagents

[TidyBlot WESTERN BLOT DETECTION REAGENT:HRP \(STAR209P\)](#)

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To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets
'M382995:210513'

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