abcam

ab214470

Anti-Dopamine Transporter antibody

Key facts

Isotype	IgG
Host species	Rabbit
Storage buffer	pH: 7.4 Preservative: 0.02% Proclin 300 Constituents: 50% Glycerol (glycerin, glycerine), 48.98% TBS, 1X, 1% BSA
Form	Liquid
Clonality	Polyclonal
Immunogen	Synthetic Peptide within Human SLC6A3 aa 550 to C-terminus conjugated to Keyhole Limpet Haemocyanin. The exact immunogen used to generate this antibody is proprietary information. Database link Q01959
Purification technique	Affinity purification Protein A
Concentration	1 mg/mL The concentration of this product may be batch-dependent Batch concentration finder →

Reactivity data

IHC-P

Tested

Species	Rat
Dilution info	1/100 - 1/500
Notes	Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes Perform heat-mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

Predicted

Species	Mouse, Human
Dilution info	-
Notes	-

Flow Cyt

Tested

Species	Rat
Dilution info	1/20 - 1/100
Notes	-

Predicted

Species	Mouse, Human
Dilution info	-
Notes	-

Target data

See full target information SLC6A3

Function	Mediates sodium- and chloride-dependent transport of dopamine (PubMed:10375632, PubMed:11093780, PubMed:1406597, PubMed:15505207, PubMed:19478460, PubMed:39112701, PubMed:39112703, PubMed:39112705, PubMed:8302271). Also mediates sodium- and chloride-dependent transport of norepinephrine (also known as noradrenaline) (By similarity). Regulator of light-dependent retinal hyaloid vessel regression, downstream of OPN5 signaling (By similarity).

Storage

Shipped at conditions	Blue Ice
Appropriate short-term storage duration	1-2 weeks
Appropriate short-term storage conditions	+4°C

Appropriate long-term storage conditions	-20°C
Aliquoting information	Upon delivery aliquot
Storage information	Avoid freeze / thaw cycle

Product promise

Tested

We have tested this species and application combination and it works. It is covered by our product promise.

Expected

We have not tested this specific species and application combination in-house, but expect it will work. It is covered by our product promise.

Predicted

This species and application combination has not been tested, but we predict it will work based on strong homology. However, this combination is not covered by our product promise.

Not recommended

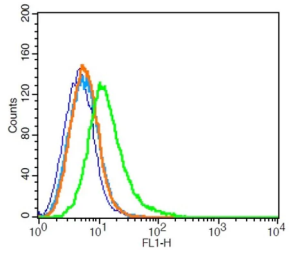
We do not recommend this combination. It is not covered by our product promise.

We are dedicated to supporting your work with high quality reagents and we are here for you every step of the way should you need us.

In the unlikely event of one of our products not working as expected, you are covered by our product promise.

Full details and terms and conditions can be found here:
Terms & Conditions.

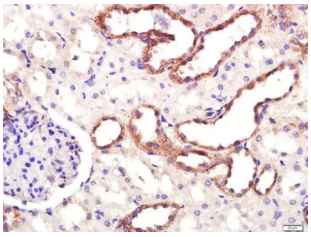
2 product images



Flow Cytometry - Anti-Dopamine Transporter antibody (ab214470)

Dopamine Transporter Flow Cytometry staining using rabbit Anti-Dopamine Transporter antibody

Flow Cytometric analysis of RSC96 cells labeling Dopamine Transporter using ab214470 at 6 µg for 30 minutes followed by incubation with Goat Anti-Rabbit IgG FITC conjugated secondary (green) compared to control cells (blue), secondary only (light blue) and isotype control (orange).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Dopamine Transporter antibody (ab214470)

Immunohistochemical analysis of formalin-fixed paraffin-embedded rat kidney tissue labeling Dopamine Transporter with ab214470 at 1/400 dilution, followed by conjugation to the secondary antibody and DAB staining.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.