



# Anti-SLC6A3 monoclonal antibody, clone FQS8974 (DCABH-2865)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

|                            |                                                                                                                                 |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>    | Rabbit monoclonal to Dopamine Transporter                                                                                       |
| <b>Antigen Description</b> | Amine transporter. Terminates the action of dopamine by its high affinity sodium-dependent reuptake into presynaptic terminals. |
| <b>Immunogen</b>           | Synthetic peptide corresponding to residues in the extracellular domain of Human Dopamine Transporter.                          |
| <b>Isotype</b>             | IgG                                                                                                                             |
| <b>Source/Host</b>         | Rabbit                                                                                                                          |
| <b>Species Reactivity</b>  | Human                                                                                                                           |
| <b>Clone</b>               | FQS8974                                                                                                                         |
| <b>Conjugate</b>           | Unconjugated                                                                                                                    |
| <b>Applications</b>        | WB, IHC-P, FC                                                                                                                   |
| <b>Positive Control</b>    | K562, U-87 MG and HeLa cell lysates; K562 cells.                                                                                |
| <b>Format</b>              | Liquid                                                                                                                          |
| <b>Size</b>                | 100 µl                                                                                                                          |
| <b>Buffer</b>              | 0.01M TBS(pH7.4), 50% Glycerol                                                                                                  |
| <b>Preservative</b>        | 0.01% Sodium Azide                                                                                                              |
| <b>Storage</b>             | Store at -20°C. Stable for 12 months at -20°C                                                                                   |

# GENE INFORMATION

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|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Gene Name           | <a href="#">SLC6A3 solute carrier family 6 (neurotransmitter transporter, dopamine), member 3 [ Homo sapiens ]</a>                                                                                                                                                                                                                                                          |
| Official Symbol     | Slc6a3                                                                                                                                                                                                                                                                                                                                                                      |
| Synonyms            | SLC6A3; solute carrier family 6 (neurotransmitter transporter, dopamine), member 3; DAT1; sodium-dependent dopamine transporter; DAT; dopamine transporter; DA transporter; solute carrier family 6 member 3;                                                                                                                                                               |
| Entrez Gene ID      | <a href="#">6531</a>                                                                                                                                                                                                                                                                                                                                                        |
| Protein Refseq      | <a href="#">NP_001035</a>                                                                                                                                                                                                                                                                                                                                                   |
| UniProt ID          | <a href="#">Q01959</a>                                                                                                                                                                                                                                                                                                                                                      |
| Chromosome Location | 5p15.3                                                                                                                                                                                                                                                                                                                                                                      |
| Pathway             | Alpha-synuclein signaling, organism-specific biosystem; Amphetamine addiction, organism-specific biosystem; Amphetamine addiction, conserved biosystem; Cocaine addiction, organism-specific biosystem; Cocaine addiction, conserved biosystem; Dopamine clearance from the synaptic cleft, organism-specific biosystem; Dopaminergic synapse, organism-specific biosystem; |
| Function            | dopamine binding; dopamine transmembrane transporter activity; dopamine:sodium symporter activity; drug binding; monoamine transmembrane transporter activity; protein N-terminus binding; protein complex binding; receptor binding; symporter activity;                                                                                                                   |