

Anti-Dopamine Transporter SLC6A3 Rabbit Monoclonal Antibody
Catalog # ABO14279**Specification**

Anti-Dopamine Transporter SLC6A3 Rabbit Monoclonal Antibody - Product Information

Application	WB, IP, FC
Primary Accession	Q01959
Host	Rabbit
Isotype	Rabbit IgG
Reactivity	Human
Clonality	Monoclonal
Format	Liquid

Description

Anti-Dopamine Transporter SLC6A3 Rabbit Monoclonal Antibody . Tested in WB, IP, Flow Cytometry applications. This antibody reacts with Human.

Anti-Dopamine Transporter SLC6A3 Rabbit Monoclonal Antibody - Additional Information

Gene ID 6531

Other Names

Sodium-dependent dopamine transporter, DA transporter, DAT, Solute carrier family 6 member 3, SLC6A3, DAT1

Calculated MW

68495 MW KDa

Application Details

WB 1:1000-1:5000
IP 1:50
FC 1:50

Subcellular Localization

Cell membrane ; Multi- pass membrane protein.

Tissue Specificity

Highly expressed in substantia nigra..

Contents

Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.

Immunogen

A synthesized peptide derived from human Dopamine Transporter

Purification

Affinity-chromatography

Storage

Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated

freeze-thaw cycles.

Anti-Dopamine Transporter SLC6A3 Rabbit Monoclonal Antibody - Protein Information

Name SLC6A3

Synonyms DAT1

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).

Cellular Location

Cell membrane; Multi-pass membrane protein. Cell projection, neuron projection {ECO:0000250|UniProtKB:P23977}. Cell projection, axon. Note=Localizes to neurite tips in neuronal cells (By similarity). Colocalizes with SEPTIN4 at axon terminals, especially at the varicosities (By similarity). {ECO:0000250|UniProtKB:P23977, ECO:0000250|UniProtKB:Q61327}

Tissue Location

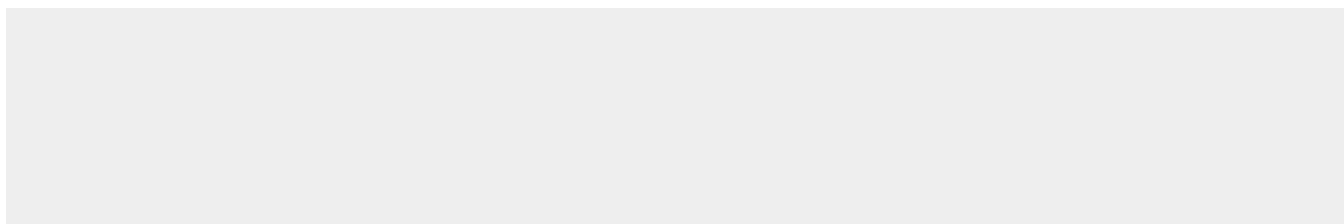
Highly expressed in substantia nigra (PubMed:7637582). Expressed in axonal varicosities in dopaminergic nerve terminals (at protein level) (PubMed:17296554). Expressed in the striatum (at protein level) (PubMed:17296554)

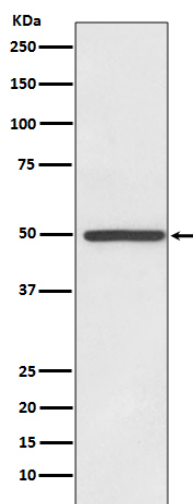
Anti-Dopamine Transporter SLC6A3 Rabbit Monoclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-Dopamine Transporter SLC6A3 Rabbit Monoclonal Antibody - Images





Western blot analysis of Dopamine Transporter expression in HeLa cell lysate.