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Anti-Dopamine Transporter SLC6A3 Rabbit Monoclonal Antibody

Catalog # ABO14279

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.

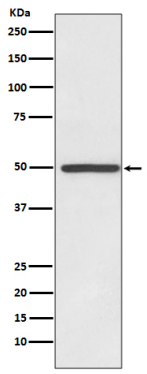
Additional Information

Gene ID	6531
Other Names	Sodium-dependent dopamine transporter, DA transporter, DAT, Solute carrier family 6 member 3, SLC6A3, DAT1
Calculated MW	68495
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..
Source	Eukaryota
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.
Clone Names	Clone: AACF-19
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.

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)

Images



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

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