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Dopamine Transporter Antibody

Rabbit mAb
Catalog # AP91178

Product Information

Application	WB, FC, IP
Primary Accession	Q01959
Reactivity	Human
Clonality	Monoclonal
Other Names	DA transporter; DAT1; Dopamine transporter 1; PKDYS; SLC6A3;
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	68495

Additional Information

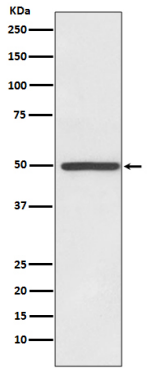
Dilution	WB 1:1000~1:5000 IP 1:50 FC 1:50
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human Dopamine Transporter
Description	Amine transporter. Terminates the action of dopamine by its high affinity sodium-dependent reuptake into presynaptic terminals.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

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.