

ARG52263 anti-Dopamine Transporter antibody

Package: 50 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes Dopamine Transporter
Tested Reactivity	Hu, Ms, NHuPrm
Tested Application	IHC-Fr, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	Dopamine Transporter
Species	Human
Immunogen	Synthetic peptide corresponding to amino acid residues from the intracellular C-terminal region conjugated to KLH
Conjugation	Un-conjugated
Alternate Names	PKDYS; Sodium-dependent dopamine transporter; Solute carrier family 6 member 3; DAT1; DAT; DA transporter

Application Instructions

Application table	Application	Dilution
	IHC-Fr	Assay-dependent
	IHC-P	Assay-dependent
	WB	1:1,000

Application Note Specific for the ~88k DAT protein in Western blots.
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

Form	Liquid
Purification	Affinity Purified
Buffer	10 mM HEPES (pH 7.5), 150 mM NaCl, 0.1 mg/ml BSA and 50% Glycerol
Stabilizer	0.1 mg/ml BSA, 50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links

[GeneID: 13162 Mouse](#)

[GeneID: 6531 Human](#)

[Swiss-port # Q01959 Human](#)

[Swiss-port # Q61327 Mouse](#)

Gene Symbol

SLC6A3

Gene Full Name

solute carrier family 6 (neurotransmitter transporter), member 3

Background

The dopamine transporter (DAT) is responsible for the reaccumulation of dopamine after it has been released. DAT antibodies and antibodies for other markers of catecholamine biosynthesis are widely used as markers for dopaminergic and noradrenergic neurons in a variety of applications including depression, schizophrenia, Parkinson's disease and drug abuse (Kish et al., 2001; Zhu et al., 2000; Zhu et al., 1999). Levels of DAT protein expression are altered by chronic drug administration (Wilson et al., 1996).

Highlight

Related Antibody Duos and Panels:

[ARG30102 Phospho Dopamine Transporter Antibody Duo \(Total, pT53\)](#)

Related products:

[Dopamine Transporter antibodies: Dopamine Transporter Duos / Panels: Anti-Rabbit IgG secondary antibodies:](#)

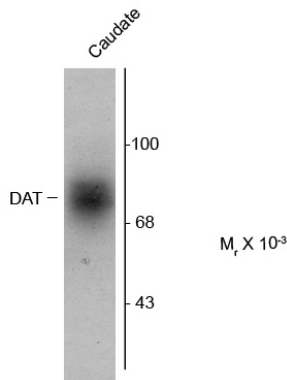
Research Area

Neuroscience antibody

Calculated Mw

68 kDa

Images



ARG52263 anti-Dopamine Transporter antibody WB image

Western Blot: human caudate lysate showing specific immunolabeling of the ~88k DAT protein stained with Dopamine Transporter antibody (ARG52263)