ARG52264
anti-Dopamine Transporter antibody, Extracellular Loop 2

Package: 50 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes Dopamine Transporter
Tested Reactivity	Hu, 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 extracellular loop 2 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.

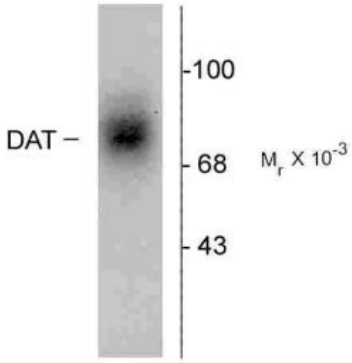
Properties

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: 6531 Human Swiss-port # Q01959 Human
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).
Research Area	Neuroscience antibody
Calculated Mw	68 kDa

Images



ARG52264 anti-Dopamine Transporter antibody, Extracellular Loop 2 WB image

Western blot: human caudate lysate stained with ARG52264 anti-Dopamine Transporter antibody, Extracellular Loop 2 showing specific immunolabeling of the ~88k DAT protein.