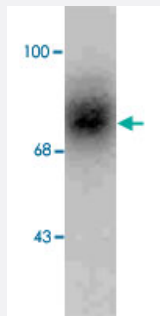


SLC6A3 polyclonal antibody

Catalog # PAB9597 Size 100 uL

Applications



Western Blot (Tissue lysate)

Western blot of human caudate lysate showing specific immunolabeling of the ~88k SLC6A3 protein. Using SLC6A3 polyclonal antibody (Cat # PAB9597).

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of SLC6A3.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to human SLC6A3.
Host	Rabbit
Theoretical MW (kDa)	88
Reactivity	Human
Form	Liquid
Purification	Affinity purification
Quality Control Testing	Antibody Reactive Against Synthetic Peptide.
Recommend Usage	Immunohistochemistry (Frozen sections) (1:1000) Western Blot (1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In 10 mM HEPES, 150 mM NaCl, pH 7.5 (50% glycerol, 10% BSA)

Storage Instruction

Store at -20°C.
Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Tissue lysate)

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- Immunohistochemistry (Frozen sections)

Gene Info — SLC6A3

Entrez GeneID [6531](#)

Protein Accession# [Q01959](#)

Gene Name SLC6A3

Gene Alias DAT, DAT1

Gene Description solute carrier family 6 (neurotransmitter transporter, dopamine), member 3

Omim ID [126455](#) [143465](#) [188890](#)

Gene Ontology [Hyperlink](#)

Gene Summary The dopamine transporter (DAT1) mediates the active reuptake of dopamine from the synapse and is a principal regulator of dopaminergic neurotransmission. The DAT1 gene has been implicated in human disorders such as parkinsonism, Tourette syndrome, and substance abuse (Vandenberg et al., 1992 [PubMed 1359373]).[supplied by OMIM]

Other Designations dopamine transporter|variable number tandem repeat (VNTR)

Publication Reference

- [Striatal dopaminergic and serotonergic markers in human heroin users.](#)

Kish SJ, Kalasinsky KS, Derkach P, Schmunk GA, Guttman M, Ang L, Adams V, Furukawa Y, Haycock JW.

Neuropsychopharmacology: Official Publication of the American College of Neuropsychopharmacology 2001 May; 24(5):561.

- [Quantitation of tyrosine hydroxylase protein in the locus coeruleus from postmortem human brain.](#)

Zhu M, Klimek V, Haycock JW, Ordway GA.

Journal of Neuroscience Methods 2000 Jun; 99(1-2):37.

- [Elevated levels of tyrosine hydroxylase in the locus coeruleus in major depression.](#)

Zhu MY, Klimek V, Dilley GE, Haycock JW, Stockmeier C, Overholser JC, Meltzer HY, Ordway GA.

Biological Psychiatry 1999 Nov; 46(9):1275.

Disease

- [Acute Disease](#)
- [Alcohol Withdrawal Delirium](#)
- [Alcohol Withdrawal Seizures](#)
- [Alcoholism](#)
- [Alcohol-Related Disorders](#)
- [Alzheimer disease](#)
- [Amphetamine-Related Disorders](#)
- [Anorexia Nervosa](#)
- [Antisocial Personality Disorder](#)
- [Anxiety Disorders](#)
- [Appetite](#)
- [Arousal](#)
- [Association Learning](#)
- [Atrophy](#)
- [Attention](#)
- [Attention Deficit and Disruptive Behavior Disorders](#)
- [Attention Deficit Disorder with Hyperactivity](#)
- [Auditory Perception](#)

- [Autistic Disorder](#)
- [Avoidance Learning](#)
- [Basal Ganglia Diseases](#)
- [Bipolar Disorder](#)
- [Birth Weight](#)
- [Body Weight](#)
- [Borderline Personality Disorder](#)
- [Brain Injuries](#)
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- [Thrombophilia](#)
- [Tic Disorders](#)
- [Tics](#)
- [Tobacco Use Disorder](#)
- [Tourette Syndrome](#)
- [Urinary Bladder Neoplasms](#)
- [Visual Perception](#)
- [Wechsler Scales](#)
- [Weight Gain](#)
- [Weight Loss](#)
- [Werner syndrome](#)
- [Wounds and Injuries](#)