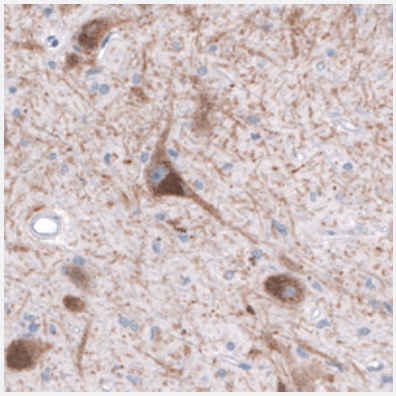
SLC6A3 monoclonal antibody, clone CL3123

Catalog # MAB15791 Size 100 uL

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human substantia nigra with SLC6A3 monoclonal antibody, clone CL3123 (Cat # MAB15791) shows moderate immunoreactivity in dopamine neurons and fibers.

Specification

Product Description	Mouse monoclonal antibody raised against partial recombinant human SLC6A3.
Immunogen	Recombinant protein corresponding to human SLC6A3.
Epitope	This antibody binds to an epitope located within the peptide sequence ELPWIHCNNSWNSPN as de termined by overlapping synthetic peptides.
Sequence	LHYLFSSFTTELPWIHCNNSWNSPNCSDAHPGDSSGDSSGLNDTFGTTPAAEYFERGVLHLHQS HGIDDLG
Host	Mouse
Reactivity	Human, Mouse, Rat
Form	Liquid
Purification	Protein A purification
Isotype	IgG1

Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:200-1:500) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide).
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

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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 a nd is a principal regulator of dopaminergic neurotransmission. The DAT1 gene has been implicat ed in human disorders such as parkinsonism, Tourette syndrome, and substance abuse (Vanden bergh et al., 1992 [PubMed 1359373]).[supplied by OMIM
Other Designations	dopamine transporter|variable number tandem repeat (VNTR)

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
- Breast Neoplasms

- Bulimia
- Bulimia Nervosa
- Carcinoma
- Child Behavior Disorders
- Choice Behavior
- Chronic Disease
- Cocaine-Related Disorders
- Cognition
- Cognition Disorders
- Conduct Disorder
- Cues
- Delirium
- Depressive Disorder
- Developmental Disabilities
- Discrimination (Psychology)
- Disease Models
- Disease Progression
- Disease Susceptibility
- Diseases in Twins
- Dominance
- Dyskinesia
- Eating Disorders
- Epilepsy
- Fibromyalgia
- Forensic Psychiatry
- Functional Laterality

- Genetic Predisposition to Disease
- Genetics
- Hallucinations
- Headache
- Heroin Dependence
- Hyperalgesia
- Hypercholesterolemia
- Impulse Control Disorders
- Inhibition (Psychology)
- Intelligence Tests
- Lung Neoplasms
- Lymphoma
- Memory
- Mental Disorders
- Mental Status Schedule
- Migraine Disorders
- Migraine with Aura
- Mood Disorders
- NARP
- Neuropsychological Tests
- Obesity
- Obsessive-Compulsive Disorder
- Ocular Motility Disorders
- Opioid-Related Disorders
- Orientation
- Ovarian cancer

- Ovarian Failure
- Overweight
- Pain Threshold
- Parkinson disease
- Perceptual Disorders
- Personal Autonomy
- Personality Assessment
- Personality Disorders
- Personality Inventory
- Personality Tests
- Polycystic Ovary Syndrome
- Pregnancy Complications
- Prenatal Exposure Delayed Effects
- Psychiatric Status Rating Scales
- Psychological Tests
- Psychology
- Psychometrics
- Psychomotor Performance
- Psychopathology
- Psychoses
- Puberty
- Pulmonary Disease
- Reaction Time
- Recognition (Psychology)
- Reinforcement (Psychology)
- Reward

- Satiety Response
- Schizophrenia
- Schizophrenic Psychology
- Schizotypal Personality Disorder
- Seizures
- Sensation
- Set (Psychology)
- Sexual Dysfunction
- Sleep
- Space Perception
- Startle Reaction
- Stress Disorders
- Stuttering
- Substance Withdrawal Syndrome
- Substance-Related Disorders
- Sudden Infant Death
- 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