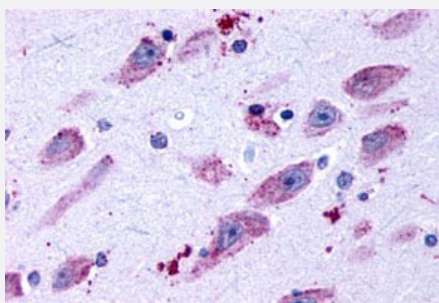


DRD4 polyclonal antibody

Catalog # PAB26253

Size 50 ug

Applications



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

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) of human brain, neurons and glia with DRD4 polyclonal antibody (Cat # PAB26253). Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of DRD4.
Immunogen	A synthetic peptide corresponding to 17 amino acid at C-terminus of human DRD4.
Host	Rabbit
Reactivity	Human, Monkey
Specificity	BLAST analysis of the peptide immunogen showed no homology with other human proteins, except HTR1D (65%).
Form	Liquid
Purification	Immunoaffinity chromatography
Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (10 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

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

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Gene Info — DRD4

Entrez GeneID [1815](#)

Protein Accession# [P21917](#)

Gene Name DRD4

Gene Alias D4DR

Gene Description dopamine receptor D4

Omim ID [126452](#) [143465](#) [168600](#) [601696](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene encodes the D4 subtype of the dopamine receptor. The D4 subtype is a G-protein coupled receptor which inhibits adenylyl cyclase. It is a target for drugs which treat schizophrenia and Parkinson disease. Mutations in this gene have been associated with various behavioral phenotypes, including autonomic nervous system dysfunction, attention deficit/hyperactivity disorder, and the personality trait of novelty seeking. This gene contains a polymorphic number (2-10 copies) of tandem 48 nt repeats; the sequence shown contains four repeats. [provided by RefSeq]

Other Designations D(2C) dopamine receptor|seven transmembrane helix receptor

Pathway

- [Neuroactive ligand-receptor interaction](#)

Disease

- [Alcoholic Intoxication](#)
- [Alcoholism](#)
- [Alzheimer disease](#)
- [Amphetamine-Related Disorders](#)
- [Anorexia Nervosa](#)
- [Antisocial Personality Disorder](#)
- [Anxiety](#)
- [Anxiety Disorders](#)
- [Arousal](#)
- [Atrophy](#)
- [Attention](#)
- [Attention Deficit and Disruptive Behavior Disorders](#)
- [Attention Deficit Disorder with Hyperactivity](#)
- [Auditory Perceptual Disorders](#)
- [Autistic Disorder](#)
- [Behavior Therapy](#)
- [Bipolar Disorder](#)
- [Birth Weight](#)
- [Body Weight](#)
- [Brief Psychiatric Rating Scale](#)
- [Bulimia](#)
- [Bulimia Nervosa](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Child Behavior Disorders](#)
- [Child Development Disorders](#)

- [Child Psychology](#)
- [Chromosome Deletion](#)
- [Chronic Disease](#)
- [Cognition](#)
- [Cognition Disorders](#)
- [Colorectal Neoplasms](#)
- [Conduct Disorder](#)
- [Cues](#)
- [Decision Making](#)
- [Depressive Disorder](#)
- [Developmental Disabilities](#)
- [Diabetes Mellitus](#)
- [Diabetic Nephropathies](#)
- [Disease Models](#)
- [Disease Progression](#)
- [Diseases in Twins](#)
- [Disorders of Excessive Somnolence](#)
- [Down Syndrome](#)
- [Dyskinesia](#)
- [Dysthymic Disorder](#)
- [Edema](#)
- [Executive Function](#)
- [Extraversion \(Psychology\)](#)
- [Functional Laterality](#)
- [Gambling](#)

- [Genetic Predisposition to Disease](#)
- [Headache](#)
- [Heroin Dependence](#)
- [Hyperalgesia](#)
- [Hypercholesterolemia](#)
- [Hyperphagia](#)
- [Imagination](#)
- [Impulse Control Disorders](#)
- [Inhibition \(Psychology\)](#)
- [Intelligence Tests](#)
- [Interview](#)
- [Lead Poisoning](#)
- [Lung Neoplasms](#)
- [Malnutrition](#)
- [Memory](#)
- [Mental Disorders](#)
- [Mental Status Schedule](#)
- [Migraine Disorders](#)
- [Migraine without Aura](#)
- [MMPI](#)
- [Mood Disorders](#)
- [Narcolepsy](#)
- [NARP](#)
- [Negotiating](#)
- [Neoplasms](#)
- [Neuropsychological Tests](#)

- [Neurotic Disorders](#)
- [Neurotoxicity Syndromes](#)
- [Obesity](#)
- [Object Attachment](#)
- [Obsessive-Compulsive Disorder](#)
- [Orientation](#)
- [Pain](#)
- [Pain Threshold](#)
- [Parkinson disease](#)
- [Personality Assessment](#)
- [Personality Disorders](#)
- [Personality Inventory](#)
- [Personality Tests](#)
- [Pre-Eclampsia](#)
- [Pregnancy Complications](#)
- [Prenatal Exposure Delayed Effects](#)
- [Problem Solving](#)
- [Psychiatric Status Rating Scales](#)
- [Psychological Tests](#)
- [Psychology](#)
- [Psychometrics](#)
- [Psychomotor Performance](#)
- [Psychoses](#)
- [Psychotherapy](#)
- [Psychotic Disorders](#)
- [Pulmonary Disease](#)

- [Reaction Time](#)
- [Reactive Attachment Disorder](#)
- [Renal Insufficiency](#)
- [Restless Legs Syndrome](#)
- [Retinoblastoma](#)
- [Reward](#)
- [Schizophrenia](#)
- [Schizophrenic Psychology](#)
- [Schizotypal Personality Disorder](#)
- [Seasonal Affective Disorder](#)
- [Sensation](#)
- [Sexual Dysfunction](#)
- [Space Perception](#)
- [Startle Reaction](#)
- [Stomach Neoplasms](#)
- [Stress](#)
- [Stress Disorders](#)
- [Substance Withdrawal Syndrome](#)
- [Substance-Related Disorders](#)
- [Task Performance and Analysis](#)
- [Taste](#)
- [Temperature Sense](#)
- [Tic Disorders](#)
- [Tics](#)
- [Tobacco Use Disorder](#)
- [Tourette Syndrome](#)

- [Urinary Bladder Neoplasms](#)
- [Wechsler Scales](#)
- [Weight Gain](#)
- [Weight Loss](#)
- [Werner syndrome](#)
- [Wounds and Injuries](#)