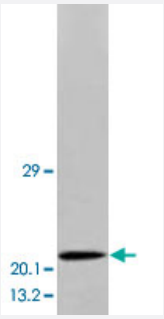
BDNF polyclonal antibody

Catalog # PAB7956 Size 100 ug

Applications



Western Blot (Tissue lysate)

Western blot analysis of human brain tissue extracts with BDNF polyclonal antibody (Cat # PAB7956).

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of BDNF.
Immunogen	A synthetic peptide corresponding to amino acids at middle region of human BDNF.
Host	Rabbit
Reactivity	Human, Mouse, Rat
Specificity	Identical to the related rat and mouse sequence.
Form	Lyophilized
Purification	Immunoaffinity purification
Isotype	IgG
Recommend Usage	Western Blot (1-2 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	Lyophilized from 0.9 mg NaCl, 0.2 mg Na_2HPO_4 (5 mg BSA, 0.05 mg sodium azide, 0.05 mg Thimerosal)

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Storage Instruction	Store at -20°C on dry atmosphere. After reconstitution with 200 uL of deionized water and concentration will be 500 ug/mL, store at -20° C or lower. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide and thimerosal: POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Tissue lysate)

  Western blot analysis of human brain tissue extracts with BDNF polyclonal antibody (Cat # PAB7956).

Gene Info — BDNF

Entrez GeneID	627
Gene Name	BDNF
Gene Alias	MGC34632
Gene Description	brain-derived neurotrophic factor
Omim ID	113505 164230 209880 606788 607499
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a member of the nerve growth factor family. It is induced by cortical neurons, and is necessary for survival of striatal neurons in the brain. Expression of this gene is reduced in both Alzheimer's and Huntington disease patients. This gene may play a role in the regulation of stress response and in the biology of mood disorders. Multiple transcript variants encoding distinct isoforms have been described for this gene. [provided by RefSeq
Other Designations	neurotrophin

Publication Reference

- Dissecting the human BDNF locus: bidirectional transcription, complex splicing, and multiple promoters.

  Pruunsild P, Kazantseva A, Aid T, Palm K, Timmusk T.

  Genomics 2007 Sep; 90(3):397.

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- Regulation of cell survival by secreted proneurotrophins.

  Lee R, Kermani P, Teng KK, Hempstead BL.

  Science 2001 Nov; 294(5548):1495.

  Application: WB-Ce, WB-Tr, Human, Mouse, HEK 293, Murine endothelial cells

- Molecular cloning of a human gene that is a member of the nerve growth factor family.

  Jones KR, Reichardt LF.

  PNAS 1990 Oct; 87(20):8060.

Pathway

- MAPK signaling pathway
- Neurotrophin signaling pathway

Disease

- Agoraphobia
- Akathisia
- Alcoholism
- Alzheimer disease
- Amnesia
- Amphetamine-Related Disorders
- Angina
- Anorexia
- Anorexia Nervosa
- Anoxia
- Anxiety Disorders
- Arousal
- Asperger Syndrome

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- Asthma
- Atherosclerosis
- Atrophy
- Attention
- Attention Deficit Disorder with Hyperactivity
- Autistic Disorder
- Avoidance Learning
- Basal Ganglia Diseases
- Bipolar Disorder
- Birth Weight
- Body Weight
- Borderline Personality Disorder
- Brain Injuries
- Brain Ischemia
- Bulimia
- Bulimia Nervosa
- Cardiovascular Diseases
- Cerebral Infarction
- Cerebrovascular Accident
- Chromosome Aberrations
- Chronic Disease
- Cognition
- Cognition Disorders
- Conditioning
- Conditioning (Psychology)
- Coronary Artery Disease

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- Cues
- Decision Making
- Depression
- Depressive Disorder
- Dermatitis
- Diabetes Complications
- Diabetes Mellitus
- Discrimination (Psychology)
- Disease Models
- Disease Progression
- Disease Susceptibility
- Dominance
- Dyskinesia
- Dysthymic Disorder
- Dystonic Disorders
- Eating Disorders
- Edema
- Electroconvulsive Therapy
- Epilepsies
- Epilepsy
- Executive Function
- Extinction
- Failure to Thrive
- Fragile X syndrome
- Functional Laterality
- Galvanic Skin Response

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- Gambling
- Genetic Predisposition to Disease
- Genetics
- Granuloma
- Hallucinations
- Headache
- Heroin Dependence
- Huntington disease
- Hypercholesterolemia
- Hyperphagia
- Hypertension
- Inhibition (Psychology)
- Intelligence Tests
- Intervertebral Disk Displacement
- Learning
- Leukoencephalopathies
- Lewy Body Disease
- Lupus Erythematosus
- Lupus Vasculitis
- Memory
- Memory Disorders
- Mental Disorders
- Mental Processes
- Mental Recall
- Mental Retardation
- Mental Status Schedule

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- Mercury Poisoning
- Metabolic Syndrome X
- Migraine Disorders
- Mitral Valve Prolapse
- MMPI
- Mood Disorders
- Motor Skills
- Multiple Sclerosis
- Multiple System Atrophy
- Myopia
- NARP
- Neoplasms
- Neuropsychological Tests
- Neurotic Disorders
- Obesity
- Obsessive-Compulsive Disorder
- Obstetric Labor Complications
- Opioid-Related Disorders
- Orientation
- Osteoporosis
- Ovarian Failure
- Overweight
- Pain
- Panic Disorder
- Paranoid Disorders
- Parkinson disease

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- Parkinsonian Disorders
- Pattern Recognition
- Perception
- Personality Assessment
- Personality Disorders
- Personality Inventory
- Personality Tests
- Pick Disease of the Brain
- Polycystic Ovary Syndrome
- Polyradiculoneuropathy
- Postmortem Changes
- Prenatal Exposure Delayed Effects
- Problem Solving
- Psychiatric Status Rating Scales
- Psychoacoustics
- Psychological Tests
- Psychometrics
- Psychomotor Performance
- Psychoses
- Psychotic Disorders
- Puberty
- Reaction Time
- Recognition (Psychology)
- Recurrence
- Rett syndrome
- Reward

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- Schizophrenia
- Schizophrenic Psychology
- Schizotypal Personality Disorder
- Sciatica
- Seizures
- Serial Learning
- Sleep Apnea
- Sleep Disorders
- Social Perception
- Startle Reaction
- Stress
- Stress Disorders
- Stroke
- Subarachnoid Hemorrhage
- Substance-Related Disorders
- Syndrome
- Thinking
- Thrombophilia
- Tic Disorders
- Tobacco Use Disorder
- Torticollis
- Tourette Syndrome
- Verbal Learning
- Wechsler Scales
- Weight Gain
- Weight Loss

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- Werner syndrome

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