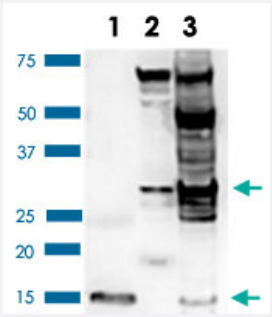
BDNF polyclonal antibody

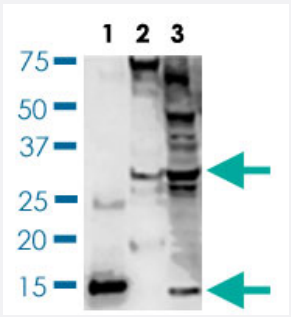
Catalog # PAB0700 Size 100 uL

Applications



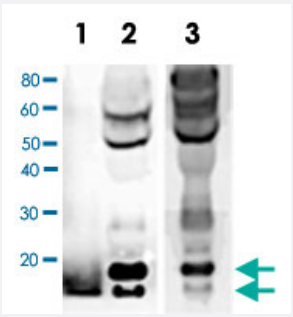
Western Blot (Tissue lysate)

Western blot (Tissue lysate) analysis of BDNF expression in human brain.
Monomeric BDNF at 14 kDa in all samples, as well as monomeric proBDNF at 32 kDa in human brain.



Western Blot (Cell lysate)

Western blot (Cell lysate) analysis of BDNF expression of SH-SY5Y cell lysates.
Monomeric BDNF at 14 kDa in all samples, as well as monomeric proBDNF at 32 kDa in cell lysates prepared in RIPA buffer.



Western Blot

Western blot analysis of BDNF expression in human serum.
Monomeric BDNF at 14 kDa in all samples, and BDNF isoform at 18 kDa in human serum.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of BDNF.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to amino acids 129-138 human BDNF.

Copyright © 2023 Abnova Corporation. All Rights Reserved.

Sequence	HSDPARRGEL
Host	Rabbit
Reactivity	Human, Rat
Specificity	Less than 0.1% cross reactivity with mouse NGF, recombinant human NT3 and NT4/5 has been recorded by dot blot analysis.
Form	Lyophilized
Recommend Usage	Immunohistochemistry (1:1000-1:2000) ELISA (1:1000-1:2000) Western Blot (1:1000-1:2000) The optimal working dilution should be determined by the end user.
Storage Buffer	Lyophilized from whole serum.
Storage Instruction	Store at 4°C on dry atmosphere. After reconstitution with 100 uL of deionized water, store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Immunohistochemistry (Frozen sections)
- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Tissue lysate)

  Western blot (Tissue lysate) analysis of BDNF expression in human brain.
  Monomeric BDNF at 14 kDa in all samples, as well as monomeric proBDNF at 32 kDa in human brain.

- Western Blot (Cell lysate)

  Western blot (Cell lysate) analysis of BDNF expression of SH-SY5Y cell lysates.
  Monomeric BDNF at 14 kDa in all samples, as well as monomeric proBDNF at 32 kDa in cell lysates prepared in RIPA buffer.

- Western Blot

  Western blot analysis of BDNF expression in human serum.
  Monomeric BDNF at 14 kDa in all samples, and BDNF isoform at 18 kDa in human serum.

Gene Info — BDNF

Entrez GeneID	627

Copyright © 2023 Abnova Corporation. All Rights Reserved.

Protein Accession#	P23560
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

Pathway

- MAPK signaling pathway
- Neurotrophin signaling pathway

Disease

- Agoraphobia
- Akathisia
- Alcoholism
- Alzheimer disease
- Amnesia
- Amphetamine-Related Disorders
- Angina
- Anorexia
- Anorexia Nervosa

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- Anoxia
- Anxiety Disorders
- Arousal
- Asperger Syndrome
- 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

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- Cognition Disorders
- Conditioning
- Conditioning (Psychology)
- Coronary Artery Disease
- 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

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- Failure to Thrive
- Fragile X syndrome
- Functional Laterality
- Galvanic Skin Response
- 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

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- Mental Processes
- Mental Recall
- Mental Retardation
- Mental Status Schedule
- 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

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- Pain
- Panic Disorder
- Paranoid Disorders
- Parkinson disease
- 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

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- Reaction Time
- Recognition (Psychology)
- Recurrence
- Rett syndrome
- Reward
- 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

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- Tourette Syndrome
- Verbal Learning
- Wechsler Scales
- Weight Gain
- Weight Loss
- Werner syndrome

Copyright © 2023 Abnova Corporation. All Rights Reserved.