

BDNF Rabbit pAb

CatalogNo: YT7904

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat

Applications

- WB, ELISA

MW

- 27kD (Calculated)

Isotype

- IgG

Storage

Storage* -15°C to -25°C/1 year (Do not lower than -25°C)**Formulation** Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Recommended Dilution Ratios

WB 1:1000-2000**ELISA 1:5000-20000**

Basic Information

Clonality Polyclonal

Immunogen Information

Immunogen Synthesized peptide derived from human BDNF**Specificity** This antibody detects endogenous levels of Human, Mouse, Rat BDNF

Target Information

Gene name BDNF

Protein Name BDNF(Brain Derived Neurotrophic Factor)

Organism	Gene ID	UniProt ID
Human		P23560 ;
Mouse		P21237 ;
Rat		P23363 ;

Cellular Localization Secreted .; [BDNF precursor form]: Secreted . A proportion of BDNF is secreted as immature precursor (proBDNF). .

Tissue specificity Detected in blood plasma and in saliva (at protein level) (PubMed:11152678, PubMed:19467646). Brain. Highly expressed in hippocampus, amygdala, cerebral cortex and cerebellum. Also expressed in heart, lung, skeletal muscle, testis, prostate and placenta

Function Important signaling molecule that activates signaling cascades downstream of NTRK2 (PubMed:11152678). During development, promotes the survival and differentiation of selected neuronal populations of the peripheral and central nervous systems. Participates in axonal growth, pathfinding and in the modulation of dendritic growth and morphology. Major regulator of synaptic transmission and plasticity at adult synapses in many regions of the CNS. The versatility of BDNF is emphasized by its contribution to a range of adaptive neuronal responses including long-term potentiation (LTP), long-term depression (LTD), certain forms of short-term synaptic plasticity, as well as homeostatic regulation of intrinsic neuronal excitability

| Validation Data

| Contact information

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BDNF Rabbit pAb

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