

## 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. AA range:1-130

**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	<a href="#">627;</a>	<a href="#">P23560;</a>
Mouse		<a href="#">P21237;</a>
Rat		<a href="#">P23363;</a>

**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

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## | Validation Data

## | Contact information

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Please scan the QR code to access additional product information:  
**BDNF Rabbit pAb**

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[Antibody](#) | [ELISA Kits](#) | [Protein](#) | [Reagents](#)