

#### **BDNF Rabbit mAb**

**Catalog # AP76919** 

## **Specification**

#### **BDNF Rabbit mAb - Product Information**

Application Primary Accession Reactivity Host Clonality WB, IHC-P, ICC
P23560
Human, Mouse, Rat
Rabbit
Monoclonal Antibody

### **BDNF** Rabbit mAb - Additional Information

Gene ID 627

Other Names BDNF

**Format** Liquid

# **BDNF Rabbit mAb - Protein Information**

Name BDNF {ECO:0000303|PubMed:28397838, ECO:0000312|HGNC:HGNC:1033}

#### **Function**

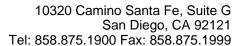
Important signaling molecule that activates signaling cascades downstream of NTRK2 (PubMed:<a href="http://www.uniprot.org/citations/11152678" target="\_blank">11152678</a>). During development, promotes the survival and differentiation of selected neuronal populations of the peripheral and central nervous 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.

# **Cellular Location** Secreted

### **Tissue Location**

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

## **BDNF Rabbit mAb - Protocols**





Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- <u>Immunofluorescence</u>
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

**BDNF Rabbit mAb - Images**