

BDNF Rabbit mAb

Catalog # AP78967

Product Information

Application	WB, IHC-P, IF, ICC
Primary Accession	P23560
Reactivity	Rat, Human, Mouse
Host	Rabbit
Clonality	Monoclonal Antibody
Isotype	IgG
Conjugate	Unconjugated
Immunogen	A synthesized peptide derived from human BDNF
Purification	Affinity Chromatography
Calculated MW	27818

Additional Information

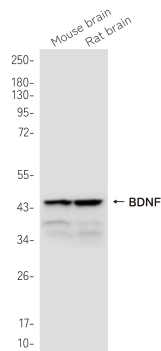
Gene ID	627
Other Names	BDNF
Dilution	WB~~1/500-1/1000 IHC-P~~N/A IF~~1:50~200 ICC~~N/A
Format	Liquid in 10mM PBS, pH 7.4, 150mM sodium chloride, 0.05% BSA, 0.02% sodium azide and 50% glycerol.
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

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: 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.
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

Images



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