

For Research Use Only

BDNF Polyclonal antibody

Catalog Number: 28205-1-AP

140 Publications



Basic Information

Catalog Number:

28205-1-AP

Size:

150ul, Concentration: 700 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG28276

GenBank Accession Number:

BC029795

GeneID (NCBI):

627

UNIPROT ID:

P23560

Full Name:

brain-derived neurotrophic factor

Calculated MW:

247 aa, 28 kDa

Observed MW:

28-30 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:8000

Applications

Tested Applications:

WB, ELISA

Cited Applications:

WB, IHC, IF

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, rat

Positive Controls:

WB : mouse brain tissue, mouse cerebellum tissue, PC-12 cells, SH-SY5Y cells, rat brain tissue, rat cerebellum, C6 cells

Background Information

BDNF is a member of the family of neurotrophic factors. It was first explored and purified from pig brain in 1982, and other members of the neurotrophin family were successively discovered. BDNF is induced by cortical neurons, and is necessary for survival of striatal neurons in the brain. Expression of BDNF is reduced in both Alzheimer's and Huntington disease patients. It participates in axonal growth, pathfinding and in the modulation of dendritic growth and morphology. It also plays a role in the regulation of stress response and in the biology of mood disorders. The BDNF gene is rather complex in its structure and it can express five different mRNA isoforms by alternative splicing, producing 28-37 kDa proteins.

Notable Publications

Author	Pubmed ID	Journal	Application
Xiaoyan Liu	31574948	Int J Mol Sci	IF
Minghao Yao	31355388	Biomater Sci	WB
Weiping Xiao	36100045	Exp Neurol	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

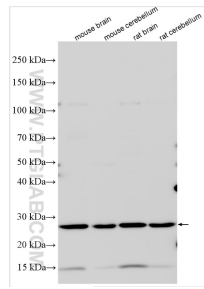
For technical support and original validation data for this product please contact:

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 28205-1-AP (BDNF antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.