

For Research Use Only

BDNF Polyclonal antibody

Catalog Number: 25699-1-AP

Featured Product

47 Publications



Basic Information

Catalog Number: 25699-1-AP	GenBank Accession Number: BC029795	Purification Method: Antigen affinity purification
Concentration: 700 ug/ml	GeneID (NCBI): 627	Recommended Dilutions: WB 1:500-1:1000 IHC 1:400-1:1600 IF/ICC 1:200-1:800
Source: Rabbit	UNIPROT ID: P23560	
Isotype: IgG	Full Name: brain-derived neurotrophic factor	
Immunogen Catalog Number: AG22489	Calculated MW: 247 aa, 28 kDa	
	Observed MW: 30 kDa	

Applications

Tested Applications: WB, IHC, IF/ICC, ELISA	Positive Controls: WB : mouse brain tissue, mouse cerebellum tissue, rat brain tissue IHC : mouse cerebellum tissue, mouse brain tissue IF/ICC : PC-12 cells,
Cited Applications: WB, IHC, IF	
Species Specificity: human, mouse, rat	
Cited Species: human, mouse, rat, rabbit, macaque	

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

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
John H Brock	26414795	J Neurotrauma	IHC
Wu WenBo	28952006	Neurochem Res	WB,IHC
Chenxia Sheng	29057264	Biomed Res Int	WB,IHC

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

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

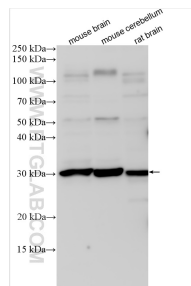
T: 4006900926

E: Proteintech-CN@ptglab.com

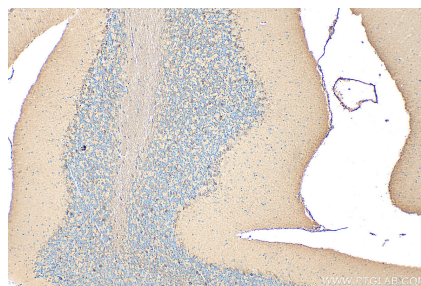
W: ptgcn.com

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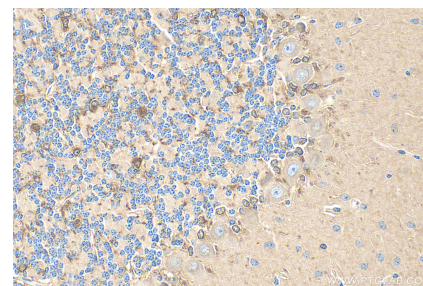
Selected Validation Data



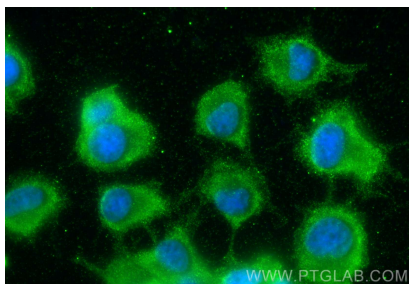
Various lysates were subjected to SDS PAGE followed by western blot with 25699-1-AP (BDNF antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse cerebellum tissue slide using 25699-1-AP (BDNF antibody) at dilution of 1:800 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse cerebellum tissue slide using 25699-1-AP (BDNF antibody) at dilution of 1:800 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed PC-12 cells using BDNF antibody (25699-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2).