

BDNF Rabbit Polyclonal Antibody

Catalog No: #29683

Package Size: #29683-1 50ul #29683-2 100ul

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

Description

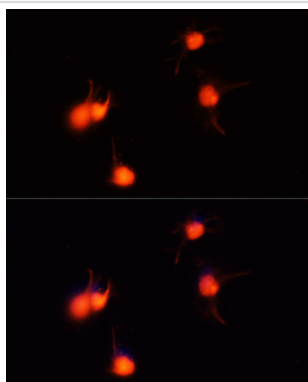
Product Name	BDNF Rabbit Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Affinity purification
Applications	WB,IF
Species Reactivity	Human,Mouse,Rat
Immunogen Description	Recombinant fusion protein of human BDNF (NP_733928.1).
Conjugates	Unconjugated
Other Names	BDNF;ANON2;BULN2
Accession No.	Swiss Prot:P23560GenelD:627
Calculated MW	27kDa/28kDa/29kDa/31kDa/37kDa
SDS-PAGE MW	15kDa/35kDa
Formulation	Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.
Storage	Store at -20°C. Avoid freeze / thaw cycles.

Application Details

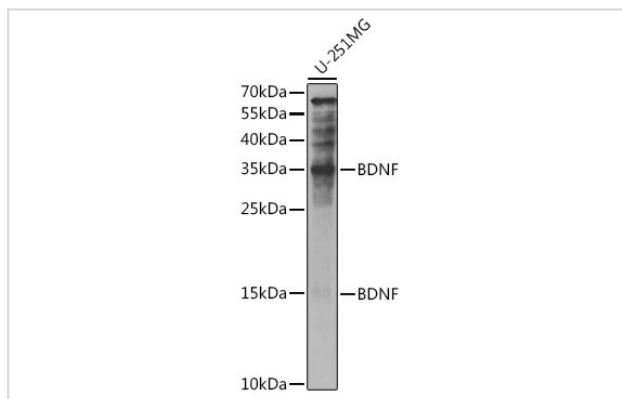
WB□1:500 - 1:2000

IF□1:50 - 1:200

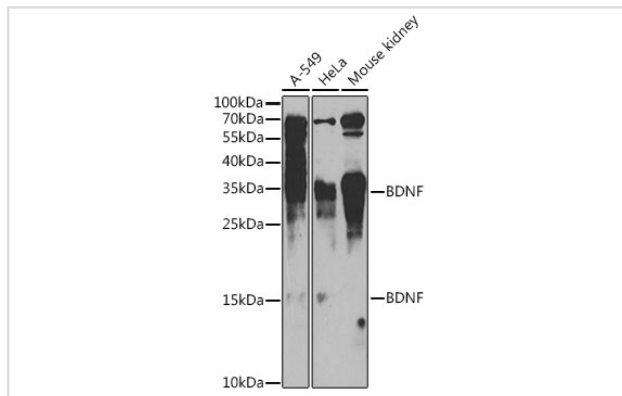
Images



Immunofluorescence analysis of U-251MG cells using BDNF at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



Western blot analysis of extracts of U-251MG cells, using BDNF at 1:1000 dilution.



Western blot analysis of extracts of various cell lines, using BDNF at 1:1000 dilution.

Background

This gene encodes a member of the nerve growth factor family of proteins. Alternative splicing results in multiple transcript variants, at least one of which encodes a preproprotein that is proteolytically processed to generate the mature protein. Binding of this protein to its cognate receptor promotes neuronal survival in the adult brain. Expression of this gene is reduced in Alzheimer's, Parkinson's, and Huntington's disease patients. This gene may play a role in the regulation of the stress response and in the biology of mood disorders.

Published Papers

Hang Xian;Huan Guo;Yuan-Ying Liu;Sui-Bin Ma;Rui Zhao;Jian-Lei Zhang;Hang Zhang;Rou-Gang Xie;Xu-Cheng Guo;Jie Ren;Sheng-Xi Wu;Ceng Luo;Rui Cong et al., Nociceptor-localized KCC2 suppresses brachial plexus avulsion-induced neuropathic pain and related central sensitization., , (2025)

[PMID:39891150](https://pubmed.ncbi.nlm.nih.gov/39891150/)

Note: This product is for in vitro research use only and is not intended for use in humans or animals.