Product Name: **BDNF Mouse Monoclonal Antibody**
Catalog #: **AMM81311**
For research use only.

Summary

Description	Mouse monoclonal Antibody
Host	Mouse
Application	WB,ICC,ELISA
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Monoclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Purified antibody in PBS with 0.05% sodium azide.
Purification	Affinity Purification

Application

Dilution Ratio	WB 1:500-1:2000,ICC 1:200-1:1000,ELISA 1:5000-1:20000
Molecular Weight	27.8kDa

Antigen Information

Gene Name	BDNF
Alternative Names	ANON2; BULN2
Gene ID	627.0
SwissProt ID	P23560
Immunogen	Purified recombinant fragment of human BDNF (AA: 19-248) expressed in E. Coli.

Background

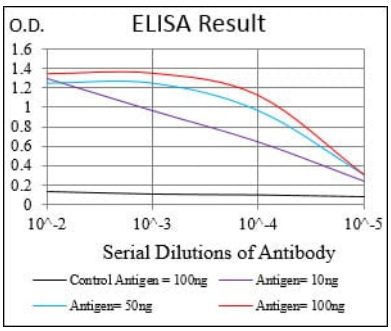
The protein encoded by this gene is a member of the nerve growth factor family. It is induced by cortical neurons, and is necessary for survival of striatal neurons in the brain. Expression of this gene is reduced in both Alzheimer's and Huntington disease patients. This gene may play a role in the regulation of stress response and in the biology of mood disorders. Multiple

transcript variants encoding distinct isoforms have been described for this gene.

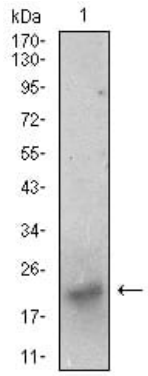
Research Area

TGF-beta signaling pathway,PI3K-Akt signaling pathway,MAPK signaling pathway

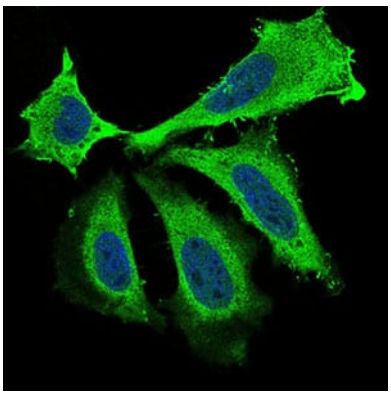
Image Data



Black line: Control Antigen (100 ng); Purple line: Antigen(10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng);



Western blot analysis using BDNF mouse mAb against SK-N-SH (1) cell lysate.



Immunofluorescence analysis of Hela cells using BDNF mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye.