

Datasheet for ABIN7265916  
**anti-BDNF antibody**

3 Images



[Go to Product page](#)

## Overview

Quantity:	100 µL
Target:	BDNF
Reactivity:	Human
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This BDNF antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

## Product Details

Purpose:	BDNF Rabbit mAb
Immunogen:	A synthesized peptide derived from human BDNF
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Monoclonal Antibodies
Purification:	Affinity purification

## Target Details

Target:	BDNF
Alternative Name:	BDNF ( <a href="#">BDNF Products</a> )
Background:	This gene encodes a member of the nerve growth factor family of proteins. Alternative splicing

## Target Details

---

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. [provided by RefSeq, Nov 2015],ANON2, BULN2,Apoptosis,Cardiovascular,Cell Biology & Developmental Biology,Endocrine & Metabolism,Endocrine and metabolic diseases,Endocrine and metabolic diseases\_Diabetes,Endocrine and metabolic diseases\_Obesity,Growth factors,Neurodegenerative Diseases,Neurodegenerative Diseases\_Amyloid Plaque and Neurofibrillary Tangle Formation in Alzheimers Disease,Neuroscience,BDNF

---

Molecular Weight: 28kDa

---

Gene ID: 627

---

UniProt: [P23560](#)

---

Pathways: [RTK Signaling](#), [Synaptic Membrane](#), [Feeding Behaviour](#), [Dicarboxylic Acid Transport](#), [Regulation of long-term Neuronal Synaptic Plasticity](#)

## Application Details

---

---

Application Notes: WB,1:500 - 1:2000,IF,1:50 - 1:200

---

Restrictions: For Research Use only

## Handling

---

---

Format: Liquid

---

Buffer: PBS with 0.02 % sodium azide,0.05 % BSA,50 % glycerol, pH 7.3.

---

Preservative: Sodium azide

---

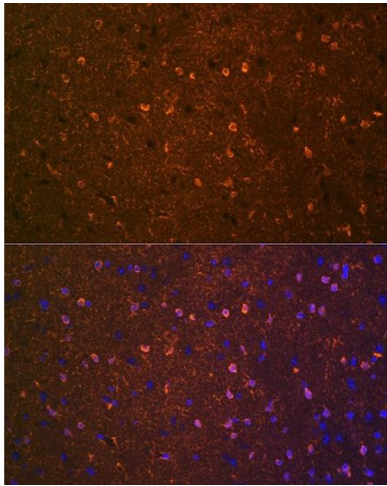
Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

---

Storage: -20 °C

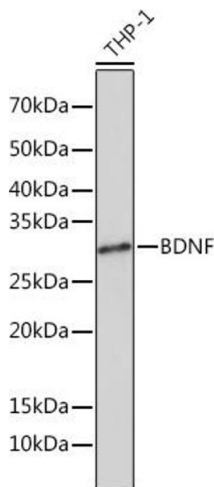
---

Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.



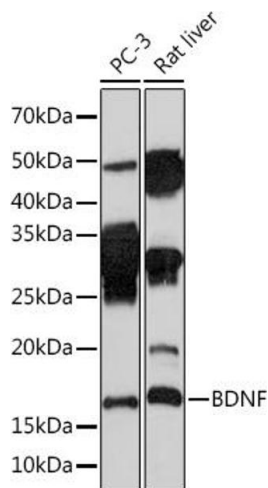
### Immunofluorescence

**Image 1.** Immunofluorescence analysis of mouse brain using BDNF Rabbit mAb (ABIN7265916) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



### Western Blotting

**Image 2.** Western blot analysis of extracts of THP-1 cells, using BDNF Rabbit mAb (ABIN7265916) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 10s.



### Western Blotting

**Image 3.** Western blot analysis of extracts of various cell lines, using BDNF Rabbit mAb (ABIN7265916) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 60s.