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# anti-BDNF antibody (AA 129-247)





#### Overview

Quantity:	100 μg
Target:	BDNF
Binding Specificity:	AA 129-247
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This BDNF antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))
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#### **Product Details**

Immunogen:	Human partial recombinant protein (AA 129-247) was used as the immunogen for this BDNF antibody.
Isotype:	IgG
Purification:	Antigen affinity

# **Target Details**

Target:	BDNF
Alternative Name:	BDNF (BDNF Products)
Background:	Brain-derived neurotrophic factor is a secreted protein that, in humans, is encoded by the BDNF
	gene. It is a member of the neurotrophin family of growth factors, which are related to the

#### **Target Details**

canonical nerve growth factor. BDNF is a prosurvival factor induced by cortical neurons that is necessary for survival of striatal neurons in the brain. It is expressed within peripheral ganglia and is not restricted to neuronal target fields. It has been purified and shown to reduce the amount of naturally occurring neuronal cell death in portions of the peripheral nervous system.

Gene ID: 12064

UniProt: P23560

Pathways: RTK Signaling, Synaptic Membrane, Feeding Behaviour, Dicarboxylic Acid Transport, Regulation

of long-term Neuronal Synaptic Plasticity

### **Application Details**

Application Notes: The stated application concentrations are suggested starting points. Titration of the BDNF

antibody may be required due to differences in protocols and secondary/substrate sensitivity.  $\$ 

Western blot: 0.5-1 µg/mL,IHC (Paraffin): 0.5-1 µg/mL,FACS: 1-3 µg/10^6 cells

Restrictions: For Research Use only

#### Handling

Buffer: 0.5 mg/mL if reconstituted with 0.2 mL sterile DI water

Storage: -20 °C

Storage Comment: After reconstitution, the BDNF antibody can be stored for up to one month at 4°C. For long-

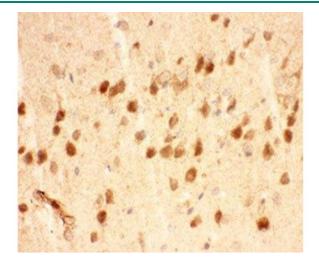
term, aliquot and store at -20°C. Avoid repeated freezing and thawing.

#### **Images**



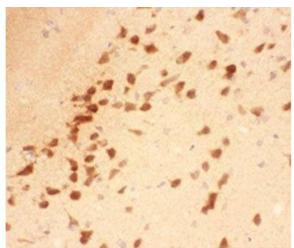
# **Western Blotting**

**Image 1.** Western blot testing of BDNF antibody (0.5ug/ml) and rat brain lysate



#### **Immunohistochemistry**

Image 2. IHC-P testing of mouse brain tissue



## **Immunohistochemistry**

Image 3. IHC-P testing of rat brain tissue

Please check the product details page for more images. Overall 6 images are available for ABIN3030195.