

Datasheet for ABIN7427021  
**anti-BDNF antibody (AA 20-252)**

## 5 Images

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## Overview

Quantity:	100 µL
Target:	BDNF
Binding Specificity:	AA 20-252
Reactivity:	Pig
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This BDNF antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunoprecipitation (IP), Immunocytochemistry (ICC)

## Product Details

Purpose:	Monoclonal Antibody to Brain Derived Neurotrophic Factor (BDNF)
Immunogen:	Recombinant Brain Derived Neurotrophic Factor (BDNF) corresponding to Pro20~Arg252 with N-terminal His Tag
Clone:	C1
Isotype:	IgG2b kappa
Specificity:	The antibody is a mouse monoclonal antibody raised against BDNF. It has been selected for its ability to recognize BDNF in immunohistochemical staining and western blotting.
Cross-Reactivity:	Mouse
Purification:	Protein A + Protein G affinity chromatography

## Target Details

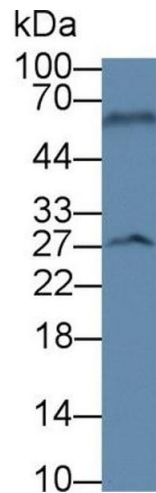
Target:	BDNF
Alternative Name:	Brain Derived Neurotrophic Factor ( <a href="#">BDNF Products</a> )
Background:	Neurotrophin, Abrineurin
Pathways:	<a href="#">RTK Signaling</a> , <a href="#">Synaptic Membrane</a> , <a href="#">Feeding Behaviour</a> , <a href="#">Dicarboxylic Acid Transport</a> , <a href="#">Regulation of long-term Neuronal Synaptic Plasticity</a>

## Application Details

Application Notes:	Western blotting: 0.5-2 µg/mL 1:500-2000 Immunohistochemistry: 5-20 µg/mL 1:50-200 Immunocytochemistry: 5-20 µg/mL 1:50-200 Optimal working dilutions must be determined by end user.
Comment:	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Restrictions:	For Research Use only

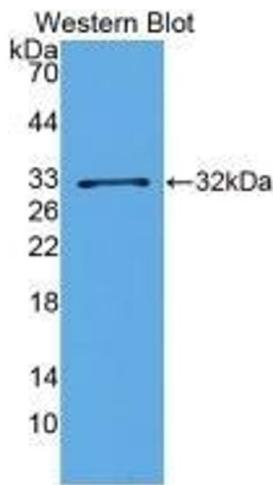
## Handling

Format:	Liquid
Buffer:	PBS, pH 7.4, containing 0.02 % Sodium azide, 50 % glycerol.
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:	4 °C,-20 °C
Storage Comment:	Store at 4°C for frequent use. Stored at -20°C in a manual defrost freezer for two year without detectable loss of activity. Avoid repeated freeze-thaw cycles.
Expiry Date:	24 months



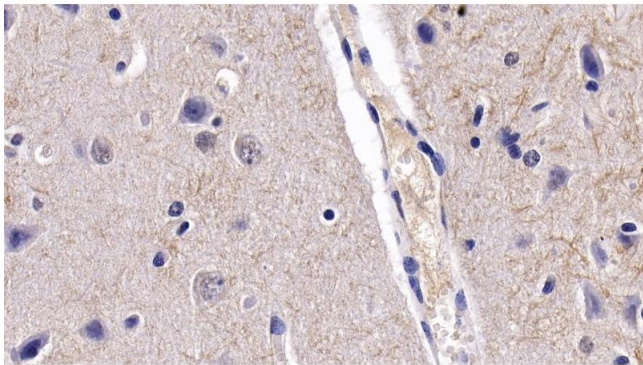
**Western Blotting**

**Image 1.** Detection of BDNF in Rat Cerebrum lysate using Monoclonal Antibody to Brain Derived Neurotrophic Factor (BDNF)



**Western Blotting**

**Image 2.** Detection of Recombinant BDNF, Porcine using Monoclonal Antibody to Brain Derived Neurotrophic Factor (BDNF)



**Immunohistochemistry**

**Image 3.** Detection of BDNF in Porcine Cerebrum Tissue using Monoclonal Antibody to Brain Derived Neurotrophic Factor (BDNF)

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN7427021.