



# SZABO SCANDIC

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## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

[mail@szabo-scandic.com](mailto:mail@szabo-scandic.com)

[www.szabo-scandic.com](http://www.szabo-scandic.com)

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

# Anti-BDNF Antibody

Rabbit Anti-Human BDNF Polyclonal  
Catalog No. SPC-703



Discovery through partnership | Excellence through quality

## Overview

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### Product Name

BDNF Antibody

### Description

Rabbit Anti-Human BDNF Polyclonal

### Species Reactivity

Human, Mouse

### Applications

WB, ICC/IF

### Antibody Dilution

WB (1:1000); ICC/IF (1:100); optimal dilutions for assays should be determined by the user.

### Host Species

Rabbit

### Immunogen Species

Human

### Immunogen

Synthetic peptide from the N-terminal of human BDNF

### Concentration

1 mg/ml

### Conjugates

Alkaline Phosphatase, APC, ATTO 390, ATTO 488, ATTO 565, ATTO 594, ATTO 633, ATTO 655, ATTO 680, ATTO 700, Biotin, FITC, HRP, PE/ATTO 594, PerCP, RPE, Streptavidin, Unconjugated

## Properties

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### Storage Buffer

PBS, 50% glycerol, 0.09% sodium azide

### Storage Temperature

-20°C

### Shipping Temperature

Blue Ice or 4°C

### Purification

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Peptide Affinity Purified

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### Clonality

Polyclonal

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### Specificity

Predicted molecular weight at ~27.9kDa.

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### Cite This Product

Rabbit Anti-Human BDNF Polyclonal (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SPC-703)

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### Certificate Of Analysis

A 1:1000 dilution of SPC-703 was sufficient for detection of BDNF on 293T Rapamycin-treated lysates using Goat anti-rabbit IgG:HRP as the secondary antibody.

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## Biological Description

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### Alternative Names

Abrineurin Antibody, ANON2 Antibody, BDNF\_Human Antibody, Brain Dervied Neurotrophic Factor Antibody, MGC34632 Antibody

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### Research Areas

ALS Disease, Alzheimer's Disease, Atherosclerosis, Cardiovascular System, Neurodegeneration, Neuroscience

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### Cellular Localization

Secreted

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### Accession Number

NP\_001137277.1

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### Gene ID

627

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### Swiss Prot

P23560

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### Scientific Background

Brain-derived neurotrophic factor, also known as BDNF, is a protein that, in humans, is encoded by the BDNF gene. BDNF is a member of the neurotrophin family of growth factors, which are related to the canonical Nerve Growth Factor. Neurotrophic factors are found in the brain and the periphery. The effects of BDNF on motor neurons might be useful in treating patients with motor neuropathies and ALS (1-3).

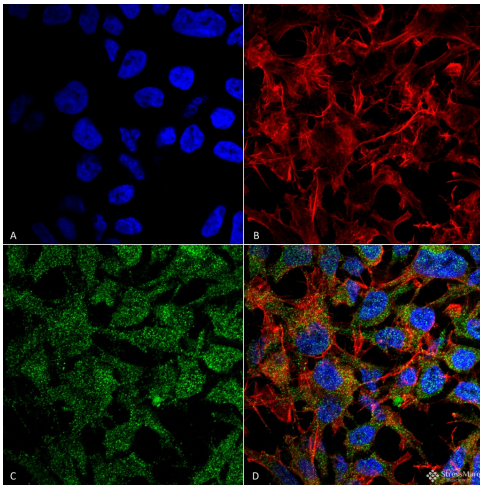
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### References

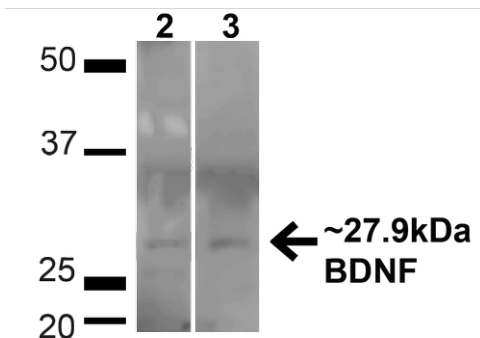
1. Wetmore C., Ernfors P., Persson H., Olson L. (1990) Exp. Neurol. 109(2): 141-152.
  2. Thoenen H., Zafra F., Hengerer B., Lindholm D. (1991) Ann NY Acad Sci. 640: 86-90.
  3. Chun H.S., Son J.J., Son J.H. (2000) Neuroreport. 11(3): 511-514.
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## Product Images

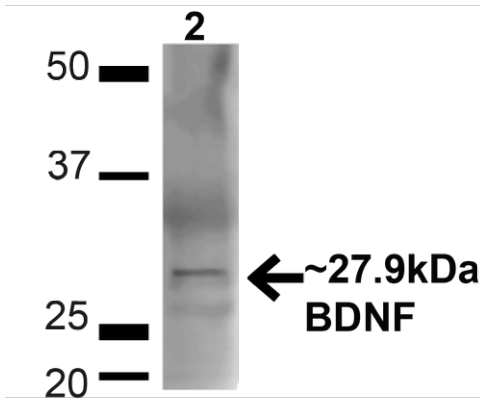
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Immunocytochemistry/Immunofluorescence analysis using Rabbit Anti-BDNF Polyclonal Antibody (SPC-703). Tissue: Neuroblastoma cell line SK-N-BE. Species: Human. Fixation: 4% Formaldehyde for 15 min at RT. Primary Antibody: Rabbit Anti-BDNF Polyclonal Antibody (SPC-703) at 1:100 for 60 min at RT. Secondary Antibody: Goat Anti-Rabbit ATTO 488 at 1:100 for 60 min at RT. Counterstain: Phalloidin Texas Red F-Actin stain; DAPI (blue) nuclear stain at 1:1000, 1:5000 for 60min RT, 5min RT. Localization: Secreted, Cytoplasm, Membrane-bound vesicle. Magnification: 60X. (A) DAPI (blue) nuclear stain (B) Phalloidin Texas Red F-Actin stain (C) BDNF Antibody (D) Composite.



Western blot analysis of Human HeLa\_293T showing detection of ~27.9kDa BDNF protein using Rabbit Anti-BDNF Polyclonal Antibody (SPC-703). Lane 1: MW Ladder. Lane 2: Human HeLa (20 µg). Lane 3: Human 293T (20 µg). Load: 20 µg. Block: 5% milk + TBST for 1 hour at RT. Primary Antibody: Rabbit Anti-BDNF Polyclonal Antibody (SPC-703) at 1:1000 for 1 hour at RT. Secondary Antibody: Goat Anti-Rabbit: HRP at 1:2000 for 1 hour at RT. Color Development: TMB solution for 12 min at RT. Predicted/Observed Size: ~27.9kDa.



Western blot analysis of Mouse Brain showing detection of ~27.9kDa BDNF protein using Rabbit Anti-BDNF Polyclonal Antibody (SPC-703). Lane 1: MW Ladder. Lane 2: Mouse Brain (20 µg). Load: 20 µg. Block: 5% milk + TBST for 1 hour at RT. Primary Antibody: Rabbit Anti-BDNF Polyclonal Antibody (SPC-703) at 1:1000 for 1 hour at RT. Secondary Antibody: Goat Anti-Rabbit: HRP at 1:2000 for 1 hour at RT. Color Development: TMB solution for 12 min at RT. Predicted/Observed Size: ~27.9kDa.

## Product Citations (0)

Currently there are no citations for this product.

## Reviews

There are no reviews yet.