BDNF Antibody
Catalog # ASM10558

Specification

BDNF Antibody - Product Information

Application	**ICC/IF, WB**
Primary Accession	P23560
Other Accession	NP_001137277.1
Host	**Rabbit**
Reactivity	**Human**
Clonality	**Polyclonal**

Description
Rabbit Anti-Human BDNF Polyclonal

Target/Specificity
Predicted molecular weight at ~27.9kDa.

Other Names
Abrineurin Antibody, ANON2 Antibody, BDNF_Human Antibody, Brain Derived Neurotrophic Factor Antibody, MGC34632 Antibody

Immunogen
Synthetic peptide from the N-terminal of human BDNF

Purification
Peptide Affinity Purified

Storage	**-20ºC**

Storage Buffer
PBS, 50% glycerol, 0.09% sodium azide

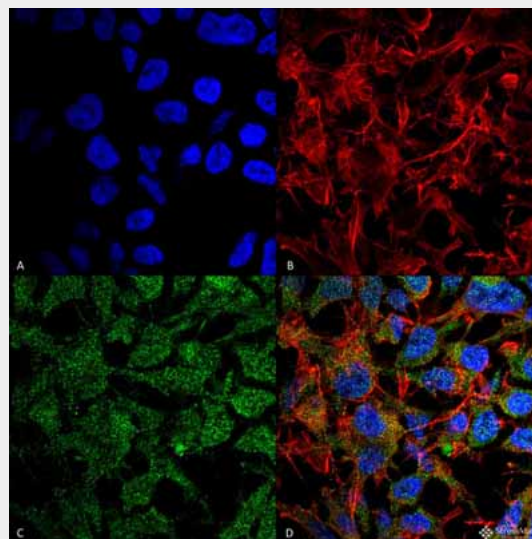|	
Shipping Temperature	**Blue Ice or 4ºC**

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.

Cellular Localization
Secreted

Immunocytochemistry/Immunofluorescence analysis using Rabbit Anti-BDNF Polyclonal Antibody (ASM10558). Tissue: Neuroblastoma cell line (SK-N-BE). Species: Human. Fixation: 4% Formaldehyde for 15 min at RT. Primary Antibody: Rabbit Anti-BDNF Polyclonal Antibody (ASM10558) 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.

BDNF Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytomety](#)
- [Cell Culture](#)
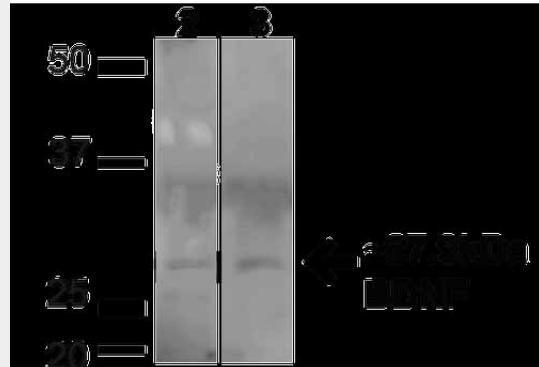
 Western blot analysis of Human HeLa and 293T cell lysates showing detection of ~27.9 Kda BDNF protein using Rabbit Anti-BDNF Polyclonal Antibody (ASM10558). Lane 1: MW Ladder. Lane 2: Human HeLa (20 μg). Lane 3: Human 293T (20 μg). Load: 20 μg. Block: 5% milk + TBST for 1 hour at RT. Primary Antibody: Rabbit Anti-BDNF Polyclonal Antibody (ASM10558) 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: ~27.9 Kda.
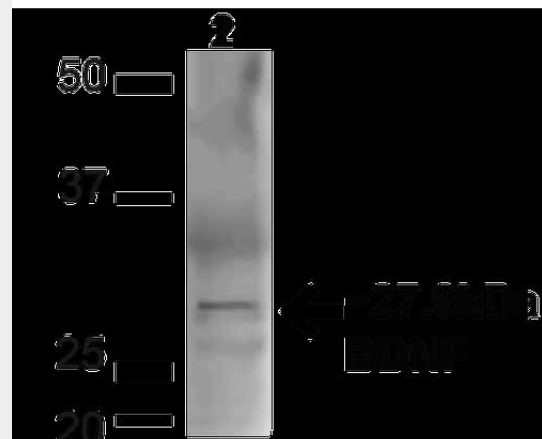
 Western blot analysis of Mouse Brain showing detection of ~27.9 Kda BDNF protein using Rabbit Anti-BDNF Polyclonal Antibody (ASM10558). Lane 1: MW Ladder. Lane 2: Mouse Brain (20 μg). Load: 20 μg. Block: 5% milk + TBST for 1 hour at RT. Primary Antibody: Rabbit Anti-BDNF Polyclonal Antibody (ASM10558) 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: ~27.9 Kda.

BDNF Antibody - 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).

BDNF Antibody - 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.