

Rabbit anti-Human, Mouse BDNF Polyclonal Antibody | anti-BDNF antibody

Rabbit Anti-Human BDNF Polyclonal

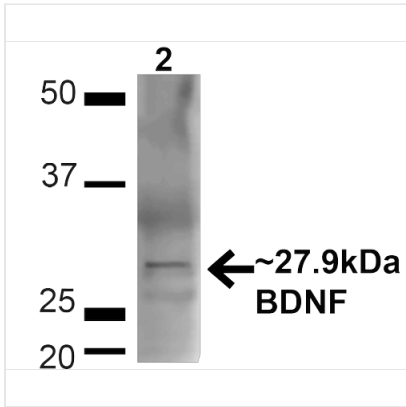
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA103815	Rabbit	Human, Mouse	Western Blot

PRODUCT SYNONYMS

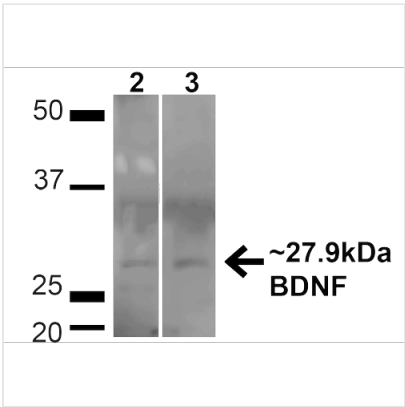
BDNF; Polyclonal Antibody; Rabbit Anti-Human BDNF Polyclonal; Abrineurin Antibody; ANON2 Antibody; BDNF_Human Antibody; Brain Dervied Neurotrophic Factor Antibody; MGC34632 Antibody; BDNF Antibody: ATTO 488; BDNF Antibody; anti-BDNF antibody

PRODUCT SPECIFICATIONS

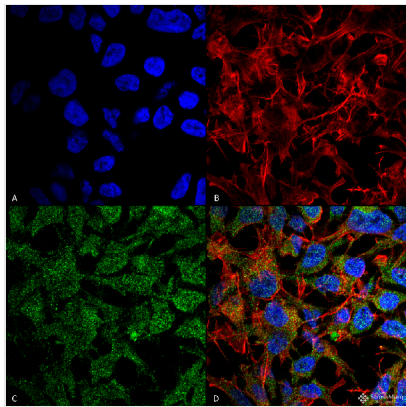
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Purity/Purification	Peptide Affinity Purified
Concentration	1 mg/ml (varies by lot)
Sequence Length	247
Applicable Applications for anti-BDNF antibody	WB (Western Blot)
Immunogen	Synthetic peptide from the N-terminal of human BDNF
Immunogen Species	Human
COA	A 1:1000 dilution was sufficient for detection of BDNF on 293T Rapamycin-treated lysates using Goat anti-rabbit IgG:HRP as the secondary antibody.
Storage Buffer	PBS, 50% glycerol, 0.09% sodium azide
Conjugate	ATTO 488
Cellular Localization	Secreted
Preparation and Storage	Store at -20 degree C



WB (Western Blot)
Western blot analysis of Mouse Brain showing detection of ~27.9 Kda BDNF protein using Rabbit Anti-BDNF Polyclonal Antibody (SPC-703). Lane 1: MW Ladder. Lane 2: Mouse Brain (20 ug). Load: 20 ug. 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: ~27.9 Kda.



WB (Western Blot)
Western blot analysis of Human HeLa and HEK293T cell lysates showing detection of ~27.9 Kda BDNF protein using Rabbit Anti-BDNF Polyclonal Antibody (SPC-703). Lane 1: MW Ladder. Lane 2: Human HeLa (20 ug). Lane 3: Human 293T (20 ug). Load: 20 ug. 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: ~27.9 Kda.



ICC (Immunocytochemistry)
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.

ADDITIONAL INFORMATION

Related Product Information for anti-BDNF antibody	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).
Product Categories/Family for anti-BDNF antibody	Neuroscience; Neurodegeneration; Alzheimer's Disease; Cardiovascular System; Atherosclerosis; ALS Disease
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.

NCBI AND UNIPROT INFORMATION

NCBI GI #	219842288
NCBI GeneID	627
NCBI Accession #	NP_001137277.1
NCBI GenBank Nucleotide #	NM_001143805.1
UniProt Accession #	P23560; Q598Q1; Q6DN19; Q6YNR2; Q6YNR3; Q9BYY7; Q9UC24; A7LA85; A7LA92; D3DQZ2
Molecular Weight	Predicted molecular weight at ~27.9kDa.
NCBI Official Full Name	brain-derived neurotrophic factor isoform a preproprotein
NCBI Official Synonym Full Names	brain-derived neurotrophic factor
NCBI Official Symbol	BDNF
NCBI Official Synonym Symbols	ANON2; BULN2
NCBI Protein Information	brain-derived neurotrophic factor
UniProt Protein Name	Brain-derived neurotrophic factor
UniProt Gene Name	BDNF
UniProt Synonym Gene Names	BDNF
UniProt Entry Name	BDNF_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/bdnf-antibody-western-blot-elisa/103815>