
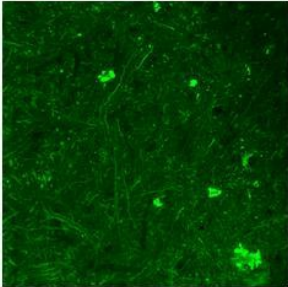
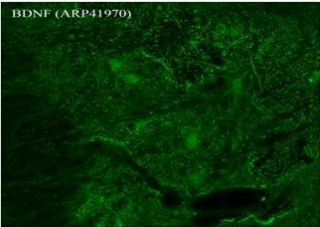



# BDNF antibody - middle region (ARP41970\_P050)

## Data Sheet

<b>Product Number</b>	ARP41970_P050
<b>Product Name</b>	BDNF antibody - middle region (ARP41970_P050)
<b>Size</b>	50ug
<b>Gene Symbol</b>	<a href="#">BDNF</a>
<b>Alias Symbols</b>	MGC34632
<b>Nucleotide Accession#</b>	<a href="#">NM_001709</a>
<b>Protein Size (# AA)</b>	247 amino acids
<b>Molecular Weight</b>	27kDa
<b>Product Format</b>	Lyophilized powder
<b>NCBI Gene Id</b>	627
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Official Gene Full Name</b>	Brain-derived neurotrophic factor
<b>Gene Family</b>	ENDOLIG
<b>Description</b>	This is a rabbit polyclonal antibody against BDNF . It was validated on Western Blot using a cell lysate as a positive control. Aviva Systems Biology strives to provide antibodies covering each member of a whole protein family of your interest. We also use our best efforts to provide you antibodies recognize various epitopes of a target protein. For availability of antibody needed for your experiment, please inquire ().
<b>Peptide Sequence</b>	Synthetic peptide located within the following region: <a href="#">EWVTAADKKTAVDMSGGTVTVLEKVPVSKGQLKQYFYETKCNPMGYTKEG</a>
<b>Target Reference</b>	Hashimoto,R., (2008) Neurosci. Res. 61 (4), 360-367
<b>Description of Target</b>	BDNF is a member of the nerve growth factor family. It is induced by cortical neurons, and is necessary for survival of striatal neurons in the brain. Expression BDNF is reduced in both Alzheimer's and Huntington disease patients. BDNF may play a role in the regulation of stress response and in the biology of mood disorders. The protein encoded by this gene is a member of the nerve growth factor family. It is induced by cortical neurons, and is necessary for survival of striatal neurons in the brain. Expression of this gene is reduced in both Alzheimer's and Huntington disease patients. This gene may play a role in the regulation of stress response and in the biology of mood disorders. Multiple transcript variants encoding distinct isoforms have been described for this gene, but the full-length nature of only some could be determined.
<b>Partner Proteins</b>	CCND3, CRABP2, CCND3
<b>Reconstitution and Storage</b>	Add 50 ul of distilled water. Final anti-BDNF antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at -20C. Avoid repeat freeze-thaw cycles.
<b>Lead Time</b>	Domestic: within 24 hours delivery International: 3-5 business days
<b>Blocking Peptide</b>	For anti-BDNF antibody is Catalog # AAP41970 (Previous Catalog # AAPS11111)
<b>Immunogen</b>	The immunogen for anti-BDNF antibody: synthetic peptide directed towards the middle region of human BDNF
<b>Swissprot Id</b>	<a href="#">P23560</a>
<b>Protein Name</b>	Brain-derived neurotrophic factor
<b>Publications</b>	Anti-BDNF ARP41970_P050 has recently been referenced in the following publications:  McCarthy, D. M. et al. Cocaine alters BDNF expression and neuronal migration in the embryonic mouse forebrain. J. Neurosci. 31, 1340011 (2011). <b>WB, Mouse</b> <a href="#">21940433</a>  Horibe, I. et al. Induction of melanogenesis by 4-O-methylated flavonoids in B16F10 melanoma cells. J. Nat. Med. 67, 70510 (2013). <b>WB, Rat</b> <a href="#">23242310</a>
<b>Protein Accession #</b>	<a href="#">NP_001700</a>
<b>Purification</b>	Affinity Purified
<b>Species Reactivity</b>	Rat, Pig, Mouse, Dog, Horse, Rabbit, Human
<b>Application</b>	IHC, WB
<b>Predicted Homology Based on Immunogen Sequence</b>	Dog: 100%; Pig: 100%; Rat: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Rabbit: 100%
	<b>Human Liver</b>

<p><b>Image 1</b></p>	<div data-bbox="635 91 732 383">  </div> <div data-bbox="954 192 1500 277"> <p><b>WB Suggested Anti-BDNF Antibody Titration:</b> 0.2-1 ug/ml  <b>Positive Control:</b> Human Liver</p> </div>
<p><b>Image 2</b></p>	<div data-bbox="406 479 727 528"> <p><b>Rhesus macaque spinal cord</b> BDNF</p> </div> <div data-bbox="510 533 799 819">  </div> <div data-bbox="604 824 702 842"> <p>Green:BDNF</p> </div> <div data-bbox="442 844 877 864"> <p>See IHC 1 Data and customer Feedback for more Information</p> </div> <div data-bbox="906 450 1468 893"> <p><b>Sample Type :</b> Rhesus macaque spinal cord  <b>Primary Antibody Dilution :</b> 1:300  <b>Secondary Antibody :</b> Donkey anti Rabbit 488  <b>Secondary Antibody Dilution :</b> 1:500  <b>Color/Signal Descriptions :</b> Green: BDNF  <b>Gene Name :</b> BDNF  <b>Submitted by :</b> Timur Mavlyutov, Ph. D., Department of Pharmacology, University of Wisconsin Medical School, 1300 University Avenue, Madison, WI 53706</p> </div>
<p><b>Image 3</b></p>	<div data-bbox="406 916 847 965"> <p><b>Ventral horn region of mouse spinal cord</b> BDNF</p> </div> <div data-bbox="429 983 750 1209">  </div> <div data-bbox="542 1214 627 1232"> <p>Green: BDNF</p> </div> <div data-bbox="442 1272 718 1301"> <p>See IHC 2 Data and Customer Feedback for more Information</p> </div> <div data-bbox="861 916 1264 1305"> <p><b>Sample Type :</b> Ventral horn region of mouse spinal cord  <b>Primary Antibody Dilution :</b> 1:200  <b>Secondary Antibody :</b> Donkey anti-rabbit CY2  <b>Secondary Antibody Dilution :</b> 1:500  <b>Color/Signal Descriptions :</b> Green:BDNF  <b>Gene Name :</b> BDNF  <b>Submitted by :</b> Anonymous</p> </div>
<p><b>Image 4</b></p>	<div data-bbox="406 1328 684 1350"> <p><b>Human ACHN Whole Cell</b></p> </div> <div data-bbox="475 1373 574 1666">  </div> <div data-bbox="649 1417 877 1514"> <p>Host: Rabbit  Target Name: BDNF  Sample Tissue: ACHN Cell Lysate  Antibody Dilution: 1.0ug/ml</p> </div> <div data-bbox="954 1462 1383 1574"> <p><b>Host:</b> Rabbit  <b>Target Name:</b> BDNF  <b>Sample Tissue:</b> ACHN Whole Cell lysates  <b>Antibody Dilution:</b> 1.0ug/ml</p> </div>

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This product is for Research Use Only. Not for diagnostic, human, or veterinary use.  
Optimal conditions of its use should be determined by end users.