

Anti-BDNF Rabbit pAb



WL0168

For Research Use Only. Not For Use In Diagnostic Procedures

Product Information

Product name	Anti-BDNF Rabbit pAb	
Source	Rabbit	
Species reactivity	Human, Mouse, Rat	
Tested applications	Western blot	1:1000-1:2000
	Immunohistochemistry	1:75-1:200
	Immunofluorescence	1:200

**Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own experiment using appropriate negative and positive controls.*

Molecular Wt. precursor BDNF : 32 kDa

mature BDNF : 14 kDa

Pack size 50/100/200/500/1000μl

Storage Store at -20°C. **Avoid freeze/thaw cycles.**

Storage buffer Supplied in 20 mM phosphate (pH 7.5), 150 mM NaCl, 100 μg/ml

General Information BSA, 50% glycerol and less than 0.02% sodium azide

Background BDNF (brain-derived neurotrophic factor) is a small secreted growth factor and a member of the neurotrophic factor family. It is induced by cortical neurons and is necessary for the survival of striatal neurons in the brain. BDNF is the main regulatory factor for adult synaptic transmission and plasticity. In addition, the precursor proBDNF and mature protein mBDNF have opposite effects on long-term enhancement and long-term inhibition. BDNF is also associated with weight regulation and activity: heterozygous BDNF knockout mice exhibit high appetite, obesity, and hyperactivity.

Immunogen Polyclonal antibody is produced by immunizing animals with a synthetic peptide of BDNF.

Purification Polyclonal antibody was purified by Protein A affinity chromatography.

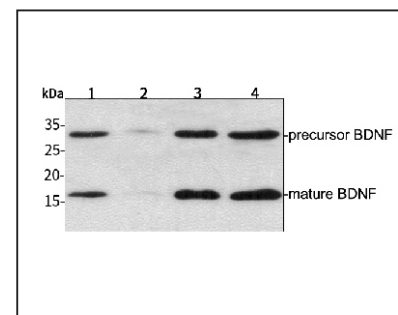
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Product Images



Western blot-Anti-BDNF pAb

Lane 1: Human Hela cell lysate 30μg

Lane 2: Human BGC-823 cell lysate 30μg

Lane 3: Human MGC-803 cell lysate 30μg

Lane 4: Human SGC-7901 cell lysate 30μg

Separation gel: 15% polyacrylamide

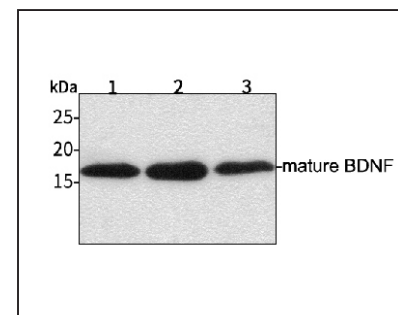
Electrophoresis: 100V, 4°C, 3h

Transmembrane: 100V, 4°C, 45min

Blocking: 5% w/v nonfat dry milk, 1 × TBST, at RT with gentle shaking

Primary antibody: 1:1000 in blocking buffer, 4°C, overnight

Visualization: ECL, 2min



Western blot-Anti-BDNF pAb

Lane 1: Mouse liver tissue lysate 30μg

Lane 2: Mouse brain tissue lysate 30μg

Lane 3: Rat heart tissue lysate 30μg

Separation gel: 15% polyacrylamide

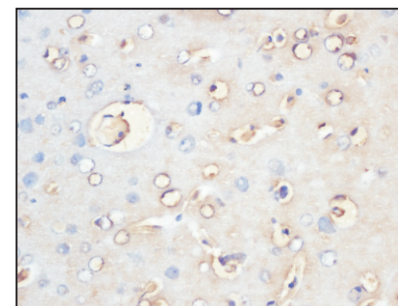
Electrophoresis: 100V, 4°C, 3h

Transmembrane: 100V, 4°C, 45min

Blocking: 5% w/v nonfat dry milk, 1 × TBST, at RT with gentle shaking

Primary antibody: 1:1000 in blocking buffer, 4°C, overnight

Visualization: ECL, 2min



Immunohistochemistry-Anti-BDNF pAb

Sample: Human brain glioma tissue

Antigen retrieval: Proteinase K

Primary antibody: 1:75, 4°C, overnight

Secondary antibody-Biotin: 1:150, 37°C, 1h

Streptavidin-HRP: 1:200, 37°C, 30min

Visualization: DAB

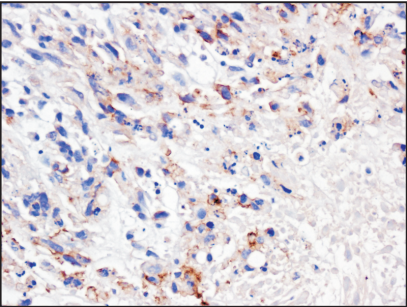
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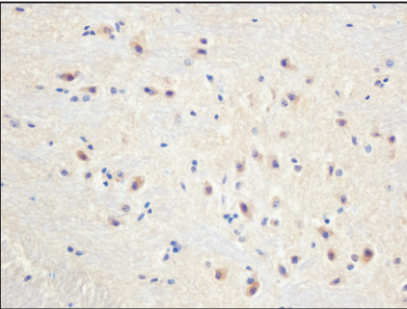
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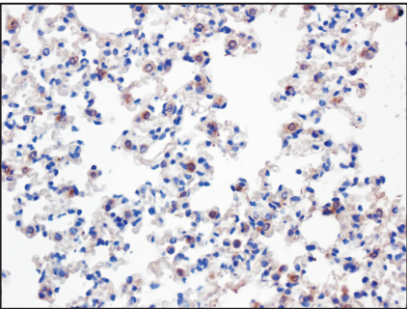
Immunohistochemistry-Anti-BDNF pAb

Sample: Human brain glioma tissue
Antigen retrieval: Proteinase K
Primary antibody: 1:200, 4°C, overnight
Secondary antibody-Biotin: 1:150, 37°C, 1h
Streptavidin-HRP: 1:200, 37°C, 30min
Visualization: DAB



Immunohistochemistry-Anti-BDNF pAb

Sample: Mouse brain tissue
Antigen retrieval: pH 9.0 Tris-EDTA buffer
Primary antibody: 1:150, 4°C, overnight
Secondary antibody-Biotin: 1:150, 37°C, 1h
Streptavidin-HRP: 1:200, 37°C, 30min
Visualization: DAB



Immunohistochemistry-Anti-BDNF pAb

Sample: Mouse lung tissue
Antigen retrieval: pH 9.0 Tris-EDTA buffer
Primary antibody: 1:200, 4°C, overnight
Secondary antibody-Biotin: 1:150, 37°C, 1h
Streptavidin-HRP: 1:200, 37°C, 30min
Visualization: DAB

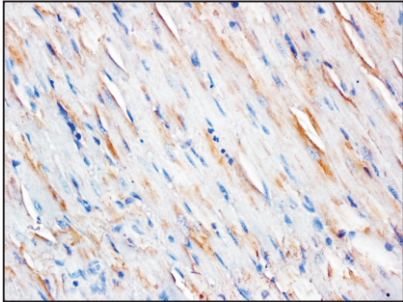
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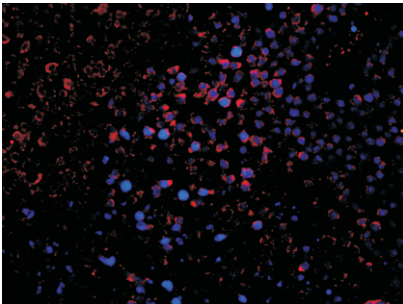
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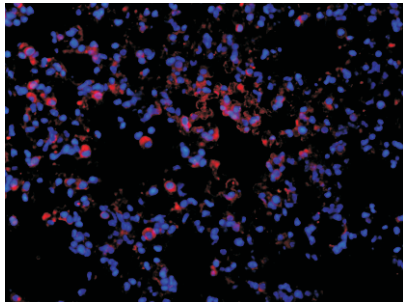
Immunohistochemistry-Anti-BDNF pAb

Sample: Rat heart tissue
Antigen retrieval: pH 9.0 Tris-EDTA buffer
Primary antibody: 1:200, 4°C, overnight
Secondary antibody-Biotin: 1:150, 37°C, 1h
Streptavidin-HRP: 1:200, 37°C, 30min
Visualization: DAB



Immunofluorescence-Anti-BDNF pAb

Sample: Human BGC-823 cell
Primary antibody: 1:200, 4°C, overnight
Secondary antibody-CY3: 1:200, at room temperature, 1h



Immunofluorescence-Anti-BDNF pAb

Sample: Mouse lung tissue
Primary antibody: 1:200, 4°C, overnight
Secondary antibody-CY3: 1:200, at room temperature, 1h

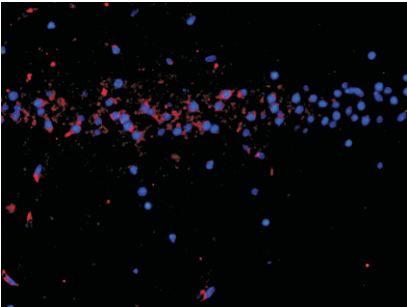
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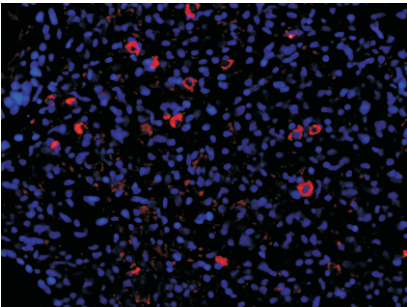
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Immunofluorescence-Anti-BDNF pAb

Sample: Mouse brain tissue
Primary antibody: 1:200, 4°C, overnight
Secondary antibody-CY3: 1:200, at room temperature, 1h



Immunofluorescence-Anti-BDNF pAb

Sample: Rat lung tissue
Primary antibody: 1:200, 4°C, overnight
Secondary antibody-CY3: 1:200, at room temperature, 1h