

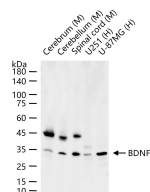
bsm-52368R**[Primary Antibody]****Bioss**
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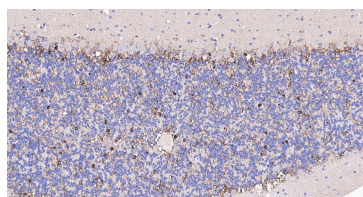
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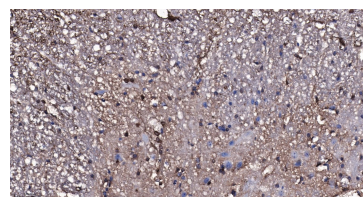
400-901-9800

BDNF Recombinant Rabbit mAb**DATASHEET****Host:** Rabbit**Isotype:** IgG**Clonality:** Recombinant**CloneNo.:** 2G4**GeneID:** 627**SWISS:** P23560**Target:** BDNF**Immunogen:** A synthesized peptide derived from human BDNF: 150-200.**Purification:** affinity purified by Protein A**Concentration:** 1mg/ml**Storage:** Size : 25ul/50ul/100ul
0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.**Background:** Neurotrophins function to regulate naturally occurring cell death of neurons during development. The prototype neurotrophin is nerve growth factor (NGF), originally discovered in the 1950s as a soluble peptide promoting the survival of, and neurite outgrowth from, sympathetic ganglia. More recently, three additional structurally homologous neurotrophic factors have been identified. These include brain-derived neurotrophic factor (BDNF), neurotrophin-3 (NT-3) and neurotrophin-4 (NT-4), also designated NT-5. These various neurotrophins stimulate the in vitro survival of distinct but partially overlapping populations of neurons. The Trk A receptor is the preferential receptor for NGF, but also binds NT-3 and NT-4. The Trk B receptor binds equally well to both BDNF and NT-4 and to a lesser extent NT-3, while the Trk C receptor only binds NT-3. BDNF promotes the survival of neuronal populations that are all located either in the central nervous system or directly connected to it. Belongs to the NGF-beta family.**Applications:** **WB** (1:1000-2000)
IHC-P (1:100-500)
IHC-F (1:100-500)
IF (1:100-500)
Flow-Cyt (1:100-200)**Reactivity:** Human, Mouse, Rat**Predicted MW.:** 27 kDa**Observed MW.:** 35 kDa**Subcellular Location:** Secreted**VALIDATION IMAGES**

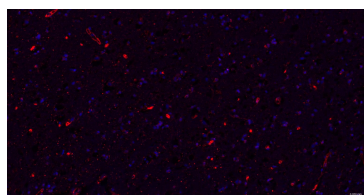
25 ug total protein per lane of various lysates (see on figure) probed with BDNF monoclonal antibody, unconjugated (bsm-52368R) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.



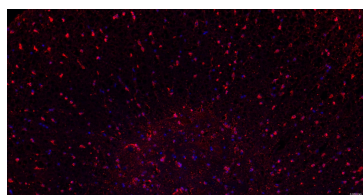
Paraformaldehyde-fixed, paraffin embedded Mouse Cerebellum; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with BDNF Monoclonal Antibody, Unconjugated (bsm-52368R) at 1:200 overnight at 4°C, followed by conjugation to the PV-1023 and DAB (C-0010) staining.



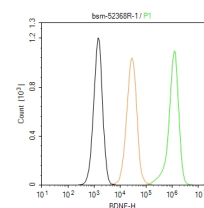
Paraformaldehyde-fixed, paraffin embedded Mouse Spinal Cord; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with BDNF Monoclonal Antibody, Unconjugated (bsm-52368R) at 1:200 overnight at 4°C, followed by conjugation to the PV-1023 and DAB (C-0010) staining.



Paraformaldehyde-fixed, paraffin embedded Human left parietal lobe; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min.



Paraformaldehyde-fixed, paraffin embedded Rat Spinal Cord; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with BDNF Monoclonal Antibody, Unconjugated (bsm-52368R) at 1:200 overnight at 4°C, followed by conjugation to the PV-1023 and DAB (C-0010) staining.



The U-87 MG (H) cells were fixed with 4% PFA (10 min at r.t.) and then permeabilized with 90% ice-cold methanol for 20 min at -20°C, the cells then

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min; The section was incubated with BDNF Monoclonal Antibody, Unconjugated (bsm-52368R) at 1:200 overnight at 4°C. Followed by conjugated Goat Anti-Rabbit IgG antibody (Red, bs-0295G-BF594), DAPI (blue, C02-04002) was used to stain the cell nuclei.

section was incubated with BDNF Monoclonal Antibody, Unconjugated (bsm-52368R) at 1:200 overnight at 4°C. Followed by conjugated Goat Anti-Rabbit IgG antibody (Red, bs-0295G-BF594), DAPI (blue, C02-04002) was used to stain the cell nuclei.

were incubated in 5%BSA to block non-specific protein-protein interactions (30 min at r.t.), followed by secondary antibody incubation for 40 min at room temperature. Primary Antibody (green):Rabbit Anti-BDNF antibody (bsm-52368R,1:100); Isotype Control (orange): Rabbit IgG (bs-0295P). Blank control (black): PBS. Acquisition of 20,000 events was performed.