

**bs-23586R****[ Primary Antibody ]****GDNF Rabbit pAb****BioSS**  
**ANTIBODIES**

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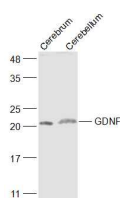
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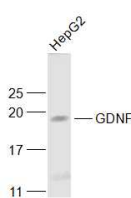
400-901-9800

**— DATASHEET —**

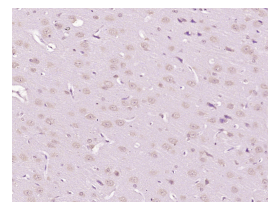
<b>Host:</b> Rabbit	<b>Isotype:</b> IgG	<b>Applications:</b> <b>WB</b> (1:500-2000)
<b>Clonality:</b> Polyclonal		<b>IHC-P</b> (1:100-500)
<b>GeneID:</b> 2668	<b>SWISS:</b> P39905	<b>IHC-F</b> (1:100-500)
<b>Target:</b> GDNF		<b>IF</b> (1:100-500)
<b>Immunogen:</b> KLH conjugated synthetic peptide derived from human GDNF : 151-211/211.		<b>Reactivity:</b> Human, Mouse, Rat (predicted: Pig, Sheep, Cow, Dog, Horse)
<b>Purification:</b> affinity purified by Protein A		
<b>Concentration:</b> 1mg/ml		<b>Predicted MW.:</b> 15 kDa
<b>Storage:</b> 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.		<b>Subcellular Location:</b> Secreted
<b>Background:</b> Neurobiology. Neurotrophins. Neuroscience. This gene encodes a highly conserved neurotrophic factor. The recombinant form of this protein was shown to promote the survival and differentiation of dopaminergic neurons in culture, and was able to prevent apoptosis of motor neurons induced by axotomy. The encoded protein is processed to a mature secreted form that exists as a homodimer. The mature form of the protein is a ligand for the product of the RET (rearranged during transfection) protooncogene. In addition to the transcript encoding GDNF, two additional alternative transcripts encoding distinct proteins, referred to as astrocyte-derived trophic factors, have also been described. Mutations in this gene may be associated with Hirschsprung disease.		

**— VALIDATION IMAGES —**

Sample: Cerebrum (Rat) Lysate at 40 ug  
Cerebellum (Rat) Lysate at 40 ug Primary: Anti-GDNF (bs-23586R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 15 kD Observed band size: 20 kD



Sample: HepG2(Human) Cell Lysate at 30 ug  
Primary: Anti-GDNF (bs-23586R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 15 kD Observed band size: 19 kD



Paraformaldehyde-fixed, paraffin embedded (Rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (GDNF) Polyclonal Antibody, Unconjugated (bs-23586R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

**— SELECTED CITATIONS —**

- **[IF=4.8]** Dong Wang. et al. Impaired Basal Forebrain Cholinergic Neuron GDNF Signaling Contributes to Perioperative Sleep Deprivation-Induced Chronicity of Postsurgical Pain in Mice Through Regulating Cholinergic Neuronal Activity, Apoptosis, and Autophagy. CNS NEUROSCI THER. 2024 Dec;30(12):e70147 WB ;Mouse. 39639706
- **[IF=4.285]** Xi Huaming. et al. Changes in histology, protein expression, and autophagy in dairy goat testes during non-

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breeding season. Biol Reprod. 2021 Aug;; WB ;Goat. 34467369

- **[IF=4.102]** Huaming Xi. et al. FSH inhibits autophagy and lysosomal biogenesis to regulate protein degradation in cultured goat Sertoli cells. Mol Cell Endocrinol. 2021 Nov;;111505 WB ;Goat. 34774699
- **[IF=2.923]** Huaming Xi. et al. FSH-inhibited autophagy protects against oxidative stress in goat Sertoli cells through p62-Nrf2 pathway. THERIOGENOLOGY. 2023 Jan;195:103 WB,IF ;Goat. 36332369