

**bs-0154R****[ Primary Antibody ]****Bioss**  
**ANTIBODIES**

www.bioss.com.cn

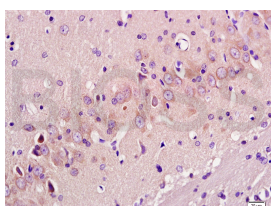
sales@bioss.com.cn

techsupport@bioss.com.cn

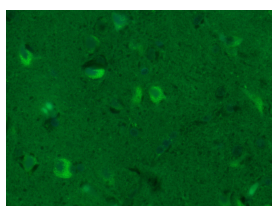
400-901-9800

**GAP43 Rabbit pAb****— DATASHEET —**

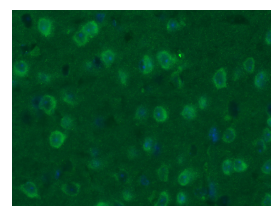
<b>Host:</b> Rabbit <b>Clonality:</b> Polyclonal <b>GeneID:</b> 2596 <b>Target:</b> GAP43 <b>Immunogen:</b> KLH conjugated synthetic peptide derived from human GAP43: 9-100/238. <b>Purification:</b> affinity purified by Protein A <b>Concentration:</b> 1mg/ml <b>Storage:</b> 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles. <b>Background:</b> The protein encoded by this gene has been termed a 'growth' or 'plasticity' protein because it is expressed at high levels in neuronal growth cones during development and axonal regeneration. This protein is considered a crucial component of an effective regenerative response in the nervous system. Alternatively spliced transcript variants encoding distinct isoforms have been found for this gene. [provided by RefSeq, Jul 2008]	<b>Isotype:</b> IgG  <b>SWISS:</b> P17677	<b>Applications:</b> IHC-P (1:100-500) IHC-F (1:100-500) IF (1:200-800)  <b>Reactivity:</b> Human, Mouse, Rat (predicted: Chicken, Dog)  <b>Predicted MW.:</b> 25/46 kDa  <b>Subcellular Location:</b> Extracellular matrix ,Cell membrane ,Cytoplasm
---	---	--

**— VALIDATION IMAGES —**

Tissue/cell: rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Incubation: Anti-GAP-43 Polyclonal Antibody, Unconjugated (bs-0154R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody (SP-0023) and DAB (C-0010) staining



Paraformaldehyde-fixed, paraffin embedded (Human glioma); 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 (GAP43) Polyclonal Antibody, Unconjugated (bs-0154R) at 1:400 overnight at 4°C, followed by a conjugated Goat Anti-Rabbit IgG antibody (bs-0295G-FITC) for 90 minutes, and DAPI for nuclei staining.



Paraformaldehyde-fixed, paraffin embedded (Mouse 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 (GAP43) Polyclonal Antibody, Unconjugated (bs-0154R) at 1:400 overnight at 4°C, followed by a conjugated Goat Anti-Rabbit IgG antibody (bs-0295G-FITC) for 90 minutes, and DAPI for nuclei staining.

**— SELECTED CITATIONS —**

- **[IF=15.84]** Han Yang. et al. A Novel Targeted and High - Efficiency Nanosystem for Combinational Therapy for Alzheimer's Disease. Adv Sci. 2020 Oct;7(19):1902906 IF,FCM ;Mouse. 33042734
- **[IF=5.546]** Yifan Wang. et al. Positive effect of Astragaloside IV on neurite outgrowth via talin - dependent integrin signaling and microfilament force. J Cell Physiol. 2021 Mar;236(3):2156-2168 IF ;Human. 32853433
- **[IF=4.73]** Erdal Ayhan Isik. et al. Use of Erythropoietin and Fibrin Glue Mixture for Peripheral Nerve Repair. Plast Reconstr Surg. 2022 Feb;149(2):395-403 IHC ;Rat. 34898529
- **[IF=4.6]** Yumei Zheng. et al. Abdominal LIPUS Stimulation Prevents Cognitive Decline in Hind Limb Unloaded Mice by

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Regulating Gut Microbiota. MOLECULAR NEUROBIOLOGY. 2025 Jan 29. Western blot ; Mouse. 39878866

- **[IF=4.411]** Pingan Chen. et al. The influence of inhibiting renal neural regeneration on the efficacy of renal denervation to chronic heart failure. 2021 Oct 22 WB ; Rat. 34687148