bs-4112R

- DATASHEET -

[Primary Antibody]

GABA A Receptor gamma 2 Rabbit pAb

Bioss ANTIBODIES

www.bioss.com.cn sales@bioss.com.cn techsupport@bioss.com.cn 400-901-9800

Applications: WB (1:500-2000) IHC-P (1:100-500) IHC-F (1:100-500) IF (1:200-800) ICC/IF (1:25)

Reactivity: Human, Mouse, Rat (predicted: Pig, Cow, Dog, Horse)

Predicted MW.:^{51 kDa}

Subcellular Location: Cell membrane

Clonality: Polyclonal GenelD: 2566

Host: Rabbit

SWISS: P18507

Isotype: IgG

Target: GABA A Receptor gamma 2

Immunogen: KLH conjugated synthetic peptide derived from human GABRG2/GABA A Receptor gamma 2: 41-140/475. < Extracellular >

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 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: GABA, the major inhibitory neurotransmitter in the vertebrate brain, mediates neuronal inhibition by binding to the GABA/benzodiazepine receptor and opening an integral chloride channel.

- VALIDATION IMAGES



Sample: Cerebrum(Mouse) Lysate at 40 ug Cerebrum(Rat) Lysate at 40 ug Primary: Anti-GABA A Receptor gamma 2 (bs-4112R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 51 kD Observed band size: 51 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 (GABA A Receptor gamma 2) Polyclonal Antibody, Unconjugated (bs-4112R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.



SH-SY5Y cell; 4% Paraformaldehyde-fixed; Triton X-100 at room temperature for 20 min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Antibody incubation with (GABA A Receptor gamma 2) polyclonal Antibody, Unconjugated (bs-4112R) 1:25, 90 minutes at 37°C; followed by a conjugated Goat Anti-Rabbit IgG antibody at 37°C for 90 minutes, DAPI (blue, C02-04002) was used to stain the cell nuclei.



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 (GABA A Receptor gamma 2) Polyclonal Antibody, Unconjugated (bs-4112R) at 1:400 overnight at 4°C, followed by a conjugated Goat Anti-Rabbit IgG antibody

- SELECTED CITATIONS -

- [IF=6.8] Li Mingxing. et al. Caspase-1 affects chronic restraint stress-induced depression-like behaviors by modifying GABAergic dysfunction in the hippocampus. TRANSL PSYCHIAT. 2023 Jun;13(1):1-11 WB ;MOUSE. 37369673
- [IF=5.33] Jie-Dan Mu. et al. Acupuncture alleviates spinal hyperreflexia and motor dysfunction in post-ischemic stroke rats with spastic hypertonia via KCC2-mediated spinal GABAA activation. Exp Neurol. 2022 Mar;:114027 IF ;Rat. 35245503
- [IF=1.703] Sun Tian-Yi. et al. Acupuncture improves the structure of spastic muscle and decreases spasticity by enhancing GABA, KCC2, and GABAAγ2 in the brainstem in rats after ischemic stroke. NEUROREPORT. 2022 Jun;33(9):399-407 IF ;Rat. 35594431
- [IF=1.445] Deng CX et al. Pinellia Total Alkaloids Modulate the GABAergic System in Hippocampal Formation on Pilocarpine-Induced Epileptic Rats. Chin J Integr Med. 2019 May 15. WB ;Rat. 31093879