

bs-4112R**[Primary Antibody]****GABA A Receptor gamma 2 Rabbit pAb****Bioss**
ANTIBODIES

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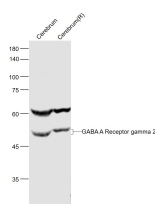
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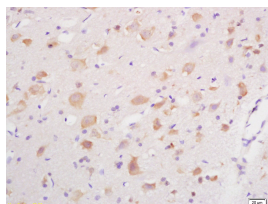
400-901-9800

— DATASHEET —

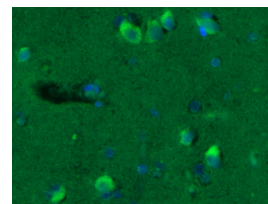
Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000)
Clonality: Polyclonal		IHC-P (1:200-800)
GeneID: 2566	SWISS: P18507	IHC-F (1:200-800)
Target: GABA A Receptor gamma 2		IF (1:200-800)
Immunogen: KLH conjugated synthetic peptide derived from human GABRG2/GABA A Receptor gamma 2: 41-140/475. < Extracellular >		Reactivity: Human, Mouse, Rat (predicted: Pig, Cow, Dog, Horse)
Purification: affinity purified by Protein A		
Concentration: 1mg/ml		Predicted MW.: 51 kDa
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.		Subcellular Location: Cell membrane
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) instructions and DAB 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 (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 (bs-0295G-FITC) for 90 minutes, and DAPI for nuclei staining.

— 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 GABA γ 2 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.

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

