

bs-1056R**[Primary Antibody]****BioSS**
ANTIBODIES

www.bioss.com.cn

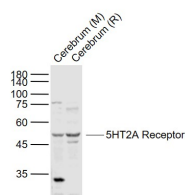
sales@bioss.com.cn

techsupport@bioss.com.cn

400-901-9800

5HT2A Receptor Rabbit pAb**— DATASHEET —**

Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000)
Clonality: Polyclonal		Reactivity: Human, Mouse, Rat
GeneID: 3356	SWISS: P28223	
Target: 5HT2A Receptor		
Immunogen: KLH conjugated synthetic peptide derived from human 5HT2A Receptor: 65-160/471. < Cytoplasmic >		Predicted MW.: 52 kDa
Purification: affinity purified by Protein A		Subcellular Location: Cell membrane
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: 5HT2A receptor is one of the several different receptors for 5-hydroxytryptamine (serotonin), a biogenic hormone that functions as a neurotransmitter, a hormone, and a mitogen. 5HT2A receptor belongs to the G-protein coupled receptor 1 family and mediates its action by association with G proteins that activate a phosphatidylinositol-calcium second messenger system. This receptor is involved in tracheal smooth muscle contraction, bronchoconstriction, and control of aldosterone production. 5HT2A receptor is an integral membrane protein which localizes to the post-synaptic thickening of axo-dendritic synapses. 5HT2A receptor protein contains a PDZ domain-binding motif which is involved in the interaction with INADL, CASK, APBA1, DLG1 and DLG4.		

— VALIDATION IMAGES —

Sample: Lane 1: Cerebrum (Mouse) Lysate at 40 ug
 Lane 2: Cerebrum (Rat) Lysate at 40 ug
 Primary: Anti-5HT2A Receptor (bs-1056R) at 1/1000 dilution
 Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
 Predicted band size: 53 kD
 Observed band size: 50 kD

— SELECTED CITATIONS —

- **[IF=14.971]** Kyritsi K et al. Modulation of the TPH 1/MAO - A/5 HT/5 HTR 2A/2B/2C Axis Regulates Biliary Proliferation and Liver Fibrosis During Cholestasis. Hepatology.2019 Jul 25. ICC,IHC ;Rat&Mouse. doi:10.1002/hep.30880
- **[IF=6.2]** Xuejun Yuan. et al.Multi-omics analysis explore the mechanism of deoxynivalenol inhibiting rabbit appetite through microbial-gut-brain axis..ECOTOXICOLOGY AND ENVIRONMENTAL SAFETY.2025 Feb;291:117849. Western blot ;Rabbit. 39965318
- **[IF=2.59]** Sun, Tao, et al. "Antihypertensive effect of formononetin through regulating the expressions of eNOS, 5-HT_{2A/1B} receptors and ₁-adrenoceptors in spontaneously hypertensive rat arteries."European

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

journal of pharmacology (2013).. Other ;="Rat". 23123056

- **[IF=2.72]** Lan Yao. et al. Armillaria mellea fermentation liquor ameliorates p-chlorophenylalanine-induced insomnia associated with the modulation of serotonergic system and gut microbiota in rats. 2022 Jan 05 WB,IHC ;Rat. 34984694
- **[IF=3.395]** Xiao cui Yuan. et al. Spinal 5-HT2A Receptor is Involved in Electroacupuncture Inhibition of Chronic Pain :. Mol Pain. 0;(): WB ;Mouse. 35240891