

bs-2126R**[Primary Antibody]****Bioss**
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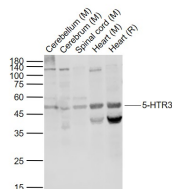
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5HT3A Receptor Rabbit pAb**— DATASHEET —**

Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000)
Clonality: Polyclonal		Reactivity: Human, Mouse, Rat (predicted: Cow, Chicken, Dog)
GeneID: 3359	SWISS: P46098	Predicted MW.: 53 kDa
Target: 5HT3A Receptor		Subcellular Location: Cell membrane
Immunogen: KLH conjugated synthetic peptide derived from human 5-HTR3: 301-400/484.		
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: The product of this gene belongs to the ligand-gated ion channel receptor superfamily. This gene encodes subunit A of the type 3 receptor for 5-hydroxytryptamine (serotonin), a biogenic hormone that functions as a neurotransmitter, a hormone, and a mitogen. This receptor causes fast, depolarizing responses in neurons after activation. It appears that the heteromeric combination of A and B subunits is necessary to provide the full functional features of this receptor, since either subunit alone results in receptors with very low conductance and response amplitude. Alternatively spliced transcript variants encoding different isoforms have been identified. Expressed in cerebral cortex, amygdala, hippocampus, and testis. Detected in monocytes of the spleen and tonsil, in small and large intestine, uterus, prostate, ovary and placenta. Belongs to the ligand-gated ionic channel (TC 1.A.9) family.		

— VALIDATION IMAGES —

Sample: Lane 1: Cerebellum (Mouse) Lysate at 40 ug
 Lane 2: Cerebrum (Mouse) Lysate at 40 ug
 Lane 3: Spinal cord (Mouse) Lysate at 40 ug
 Lane 4: Heart (Mouse) Lysate at 40 ug
 Lane 5: Heart (Rat) Lysate at 40 ug
 Primary: Anti-5-HTR3 (bs-2126R) at 1/1000 dilution
 Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
 Predicted band size: 52-55 kD
 Observed band size: 50 kD

— SELECTED CITATIONS —

- **[IF=6.7]** Qiaoxia Wang. et al. Exploring the mechanism and effective compounds of Changan Granule on diarrhea-predominant irritable bowel syndrome via regulating 5-hydroxytryptamine signaling pathway in brain-gut axis. PHYTOMEDICINE. 2024 Dec;:156350 WB ;Rat. 39756311
- **[IF=5.561]** Lei Wu. et al. Ethanol Extract of Mao Jian Green Tea Attenuates Gastrointestinal Symptoms in a Rat Model of Irritable Bowel Syndrome with Constipation via the 5-hydroxytryptamine Signaling Pathway. FOODS. 2023 Jan;12(5):1101

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

WB ;Rat. 36900618

- **[IF=4.4]** Cieslik-Starkiewicz Agata. et al. Identification of genes regulated by trait sensitivity to negative feedback and prolonged alcohol consumption in rats. PHARMACOL REP. 2024 Jan;;1-9 WB ;Rat. 38172401
- **[IF=4.319]** Jia Li. et al. Study of the Mechanism of Antiemetic Effect of *Lavandula angustifolia* Mill. Essential Oil Based on Ca^{2+} /CaMKII/ERK1/2 Pathway. DRUG DES DEV THER. 2022 Jul;16:2407-2422 IHC ;Rat. 35923932
- **[IF=3.457]** Liu Z et al. Tropisetron inhibits sepsis by repressing hyper-inflammation and regulating the cardiac action potential in rat models.(2018) Biomed. Pharmacother 110 IHC ;Rat. 30529771