bs-20742R **[Primary Antibody]**

5HT2A Receptor Rabbit pAb

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

DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 3356 **SWISS:** P28223

Target: 5HT2A Receptor

Immunogen: KLH conjugated synthetic peptide derived from human 5HT2A Receptor: 171-270/471. < 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: 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.

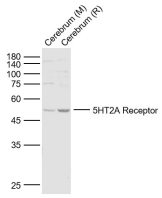
Applications: **WB** (1:500-2000)

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

Predicted MW.: 52 kDa

Subcellular Location: Cell membrane

VALIDATION IMAGES



Sample: Lane 1: Cerebrum (Mouse) Lysate at 40 ug Lane 2: Cerebrum (Rat) Lysate at 40 ug Primary: Anti-5HT2A Receptor (bs-20742R) 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=3.056]** Xue Y et al. Down-regulation of spinal 5-HT2A and 5-HT2C receptors contributes to somatic hyperalgesia induced by orofacial inflammation combined with stress. Neuroscience . 2020 Aug 1;440:196-209. WB ;Rat. 32497757