

bs-12049R**[Primary Antibody]****BioSS**
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5HT2A Receptor Rabbit pAb**— DATASHEET —**

Host: Rabbit

Clonality: Polyclonal

GeneID: 3356

Target: 5HT2A Receptor

Immunogen: KLH conjugated synthetic peptide derived from human 5HT2A Receptor: 51-150/471. < Extracellular >

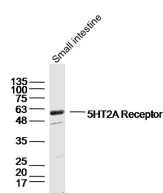
Purification: affinity purified by Protein A

Concentration: 1mg/ml

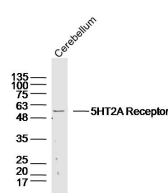
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Isotype: IgG**SWISS:** P28223**Applications:** WB (1:500-2000)**IHC-P** (1:100-500)**IHC-F** (1:100-500)**IF** (1:100-500)**Reactivity:** Human, Mouse, Rat
(predicted: Pig, Sheep,
Cow, Dog, Horse)**Predicted
MW.:** 53 kDa**Subcellular
Location:** Cell membrane

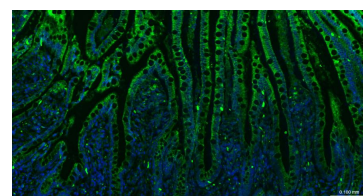
Background: 5HT2A receptor is one of the several different receptors for 5-hydroxytryptamine (serotonin), a biogenic hormone that functions as a neurotransmitter, a hormone, and a mitogen. 5HT2A receptor belongs to the G-protein coupled receptor 1 family and mediates its action by association with G 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 —

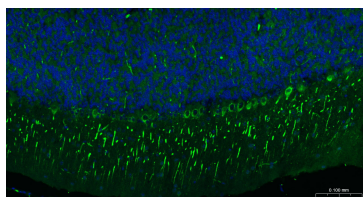
Sample: Small intestine (Mouse) Lysate at 40 ug
Primary: Anti-5HT2A Receptor (bs-12049R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 53 kD Observed band size: 53 kD



Sample: Cerebellum (Mouse) Lysate at 40 ug
Primary: Anti-5HT2A Receptor (bs-12049R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 53 kD Observed band size: 53 kD



Paraformaldehyde-fixed, paraffin embedded Human Small Intestine; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with 5HT2A Receptor Polyclonal Antibody, Unconjugated (bs-12049R) at 1:200 overnight at 4°C. Followed by conjugated Goat Anti-Rabbit IgG antibody (green, bs-0295G-BF488), DAPI (blue, C02-04002) was used to stain the cell nuclei.



Paraformaldehyde-fixed, paraffin embedded Rat Cerebellum; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The

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

section was incubated with 5HT2A Receptor Polyclonal Antibody, Unconjugated (bs-12049R) at 1:200 overnight at 4°C. Followed by conjugated Goat Anti-Rabbit IgG antibody (green, bs-0295G-BF488), DAPI (blue, C02-04002) was used to stain the cell nuclei.

— SELECTED CITATIONS —

- **[IF=3.395]** Yue-Xin Li. et al. Oxytocin inhibits hindpaw hyperalgesia induced by orofacial inflammation combined with stress.. Mol Pain. 0;(): WB ;Rat. 35266833