bs-12054R **[Primary Antibody]**

5HT4 Receptor Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 3360 **SWISS:** Q13639

Target: 5HT4 Receptor

Immunogen: KLH conjugated synthetic peptide derived from human 5HT4 Receptor: 161-270/388. < 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: This gene is a member of the family of serotonin receptors, which are G protein coupled receptors that stimulate cAMP production in response to serotonin (5-hydroxytryptamine). The gene product is a glycosylated transmembrane protein that functions in both the peripheral and central nervous system to modulate the release of various neurotransmitters. Multiple transcript variants encoding proteins with distinct C-terminal sequences have been described. [provided by RefSeq, May 2010]

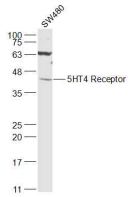
Applications: **WB** (1:500-2000)

Reactivity: Human, Mouse, Rat (predicted: Pig, Sheep, Cow, Chicken, Dog, GuineaPig, Horse)

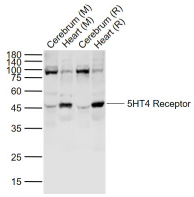
Predicted MW.: 44 kDa

Subcellular Location: Cell membrane ,Cytoplasm

VALIDATION IMAGES



Sample: SW480(Human) Cell Lysate at 30 ug Primary: Anti-5HT4 Receptor (bs-12054R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 44 kD Observed band size: 44 kD



Sample: Lane 1: Mouse Cerebrum tissue lysates Lane 2: Mouse Heart tissue lysates Lane 3: Rat Cerebrum tissue lysates Lane 4: Rat Heart tissue lysates Primary: Anti-5HT4 Receptor (bs-12054R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 44 kD Observed band size: 45 kD

SELECTED CITATIONS

- **[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 WB ;Rat. 36900618
- **[IF=2.014]** Li LI. et al. The antibacterial activity of Berberis heteropoda Schrenk and its effect on irritable bowel syndrome in rats. Chin J Nat Medicines. 2020 May;18:356 IHC ;Rat. 10.1016/S1875-5364(20)30042-X