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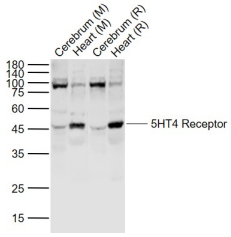
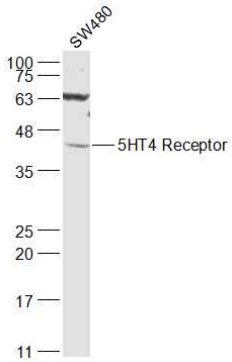
5HT4 Receptor Rabbit pAb

Catalog Number:	bs-12054R
Target Protein:	5HT4 Receptor
Concentration:	1mg/ml
Form:	Liquid
Host:	Rabbit
Clonality:	Polyclonal
Isotype:	IgG
Applications:	WB (1:500-2000)
Reactivity:	Human, Mouse, Rat (predicted:Pig, Sheep, Cow, Chicken, Dog, GuineaPig, Horse)
Predicted MW:	44 kDa
Entrez Gene:	3360
Swiss Prot:	Q13639
Source:	KLH conjugated synthetic peptide derived from human 5HT4 Receptor: 161-270/388.
Purification:	affinity purified by Protein A
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]

VALIDATION IMAGES



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



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

PRODUCT SPECIFIC PUBLICATIONS

[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