

## 5HT4 Receptor Rabbit pAb

Catalog Number: bs-2127R

Target Protein: 5HT4 Receptor

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: WB (1:500-2000), IHC-P (1:100-500), IHC-F (1:100-500), IF (1:200-800)

Reactivity: Human, Mouse, Rat (predicted: Cow, Chicken)

Predicted MW: 43 kDa

Entrez Gene: 3360

Swiss Prot: Q13639

Source: KLH conjugated synthetic peptide derived from human 5-HT4: 21-120/388.

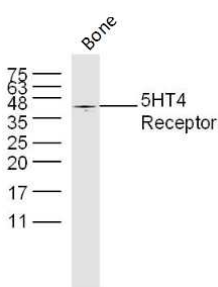
Purification: affinity purified by Protein A

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

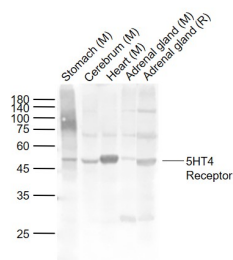
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

**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]

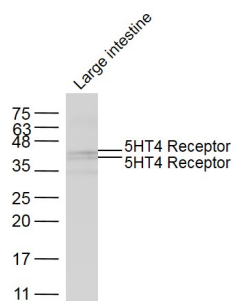
### VALIDATION IMAGES



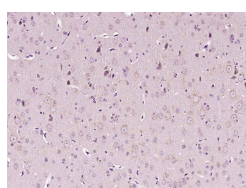
Sample: Bone (Mouse) Lysate at 40 ug Primary: Anti-5HT4 Receptor (bs- 2127R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 43 kD Observed band size: 43 kD



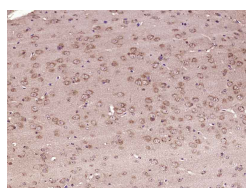
Sample: Lane 1: Stomach (Mouse) Tissue Lysate at 40 ug Lane 2: Cerebrum (Mouse) Tissue Lysate at 40 ug Lane 3: Heart (Mouse) Tissue Lysate at 40 ug Lane 4: Adrenal gland (Mouse) Tissue Lysate at 40 ug Lane 5: Adrenal gland (Rat) Tissue Lysate at 40 ug Primary: Anti-5HT4 Receptor (bs-2127R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 43 kD Observed band size: 48 kD



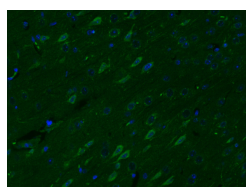
Sample: Large intestine (Mouse) Lysate at 40 ug Primary: Anti-5HT4 Receptor (bs-2127R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 43 kD Observed band size: 43 kD



Paraformaldehyde-fixed, paraffin embedded (Rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (5HT4 Receptor) Polyclonal Antibody, Unconjugated (bs-2127R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (5HT4 Receptor) Polyclonal Antibody, Unconjugated (bs-2127R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (5HT4 Receptor) Polyclonal Antibody, Unconjugated (bs-2127R) at 1:400 overnight at 4°C, followed by a conjugated Goat Anti-Rabbit IgG antibody (bs-0295G-FITC) for 90 minutes, and DAPI for nuclei staining.

## PRODUCT SPECIFIC PUBLICATIONS

[IF=8.7] Grigoletto Jessica. et al. Velusetrag rescues GI dysfunction, gut inflammation and dysbiosis in a mouse model of Parkinson's disease. NPJ PARKINSONS DIS. 2023 Oct;9(1):1-15 WB ; Mouse . 37783672

[IF=6.064] Eri Kitayama. et al. Functional Expression of IP, 5-HT4, D1, A2A, and VIP Receptors in Human Odontoblast Cell Line. BIOMOLECULES. 2023 Jun;13(6):879 ICC ; Human . 10.3390/biom13060879

[IF=5.2] Liu Qihong. et al. Effects of Liqi Tongbian decoction on gut microbiota, SCFAs production, and 5-HT pathway in STC rats with Qi Stagnation Pattern. FRONT MICROBIOL. 2024 Mar;15: IHC ; Rat . 38559349

[IF=4.927] Siyuan Peng. et al. LMWP (S3-3) from the Larvae of Musca domestica Alleviate D-IBS by Adjusting the Gut Microbiota. MOLECULES. 2022 Jan;27(14):4517 IHC ; Mouse . 35889391

[IF=4.8] Ting Hong. et al. Exosomal circBBS2 inhibits ferroptosis by targeting miR-494 to activate SLC7A11 signaling in ischemic stroke. FASEB J. 2023 Aug;37(9):e23152 WB ; Human . 37603538

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