

[Primary Antibody]

5HT1A Receptor Rabbit pAb



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ANTIBODIES

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— DATASHEET

Host: Rabbit

Isotype: IgG

Applications: WB (1:500-2000)

Clonality: Polyclonal

GeneID: 3350

SWISS: P08908

Target: 5HT1A Receptor

Immunogen: KLH conjugated synthetic peptide derived from human 5-HT1A: 301-400/422.

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.

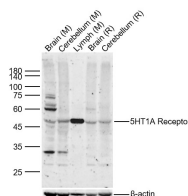
Background: This gene encodes a G protein-coupled receptor for 5-hydroxytryptamine (serotonin), and belongs to the 5-hydroxytryptamine receptor subfamily. Serotonin has been implicated in a number of physiologic processes and pathologic conditions. Inactivation of this gene in mice results in behavior consistent with an increased anxiety and stress response. Mutation in the promoter of this gene has been associated with menstrual cycle-dependent periodic fevers. [provided by RefSeq, Jun 2012].

Reactivity: Mouse, Rat
(predicted: Human, Rabbit,
Dog, Horse)

Predicted MW.: 46 kDa

Subcellular Location: Cell membrane

— VALIDATION IMAGES



Sample: Lane 1: Mouse Brain Lysates Lane 2: Mouse Cerebellum Lysates Lane 3: Mouse Lymph Lysates Lane 4: Rat Brain Lysates Lane 5: Rat Cerebellum Lysates Primary: Anti-5HT1A Receptor (bs-1124R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 46kDa Observed band size: 46kDa

— SELECTED CITATIONS

- **[IF=5.62]** Zhou, Q. G., et al. "Reactivation of Tert in the medial prefrontal cortex and hippocampus rescues aggression and depression of Tert—/— mice." *Translational Psychiatry* 6.6 (2016): e836. WB ;="Mouse". 27300262
- **[IF=5.4]** Taotao Li. et al. Rosemary (*Rosmarinus officinalis* L.) hydrosol based on serotonergic synapse for insomnia. *J ETHNOPHARMACOL.* 2023 Jul;116984 IHC,WB ;Rat. 37532071
- **[IF=4.17]** Yeh, C-B., et al. "Calcitonin alleviates hyperalgesia in osteoporotic rats by modulating serotonin transporter activity." *Osteoporosis International* (2016): 1-10. IHC ;="Rat". 27260496
- **[IF=2.72]** Lan Yao. et al. *Armillaria mellea* fermentation liquor ameliorates p-chlorophenylalanine-induced insomnia associated with the modulation of serotonergic system and gut microbiota in rats. 2022 Jan 05 WB,IHC ;Rat. 34984694
- **[IF=3.3]** Fengjin He. et al. Therapeutic potential of *Rosa roxburghii* folium extract in insomnia treatment: a

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comprehensive evaluation of behavioral and neurochemical effects in a PCPA-induced mouse model. J SCI FOOD AGR.
2024 Sep;; WB ;Mouse. 39286895