

## 5HT2C Receptor polyclonal antibody

Catalog: BS90010

Host: Rabbit

Reactivity: Human, Mouse, Rat

### BackGround:

G-protein coupled receptor for 5-hydroxytryptamine (serotonin). Also functions as a receptor for various drugs and psychoactive substances, including ergot alkaloid derivatives, 1-2,5,-dimethoxy-4-iodophenyl-2-aminopropane (DOI) and lysergic acid diethylamide (LSD). Ligand binding causes a conformation change that triggers signaling via guanine nucleotide-binding proteins (G proteins) and modulates the activity of down-stream effectors. Beta-arrestin family members inhibit signaling via G proteins and mediate activation of alternative signaling pathways. Signaling activates a phosphatidylinositol-calcium second messenger system that modulates the activity of phosphatidylinositol 3-kinase and down-stream signaling cascades and promotes the release of Ca<sup>2+</sup> ions from intracellular stores. Regulates neuronal activity via the activation of short transient receptor potential calcium channels in the brain, and thereby modulates the activation of pro-opiomelanocortin neurons and the release of CRH that then regulates the release of corticosterone.

### Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

### Molecular Weight:

70 kDa

### Swiss-Prot:

P28335(Human) P34968(Mouse) P08909(Rat)

### Purification&Purity:

ProA affinity purified

### Applications:

WB:1:500-1:2,000

IHC:1:50-1:200

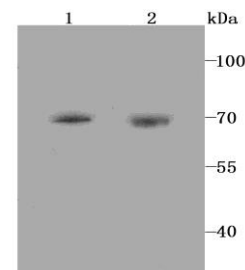
### Storage&Stability:

Store at +4 °C after thawing. Aliquot store at -20 °C or -80 °C. Avoid repeated freeze / thaw cycles.

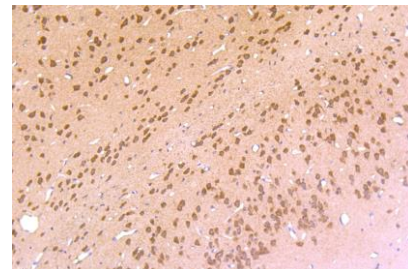
### Specificity:

5HT2C Receptor polyclonal antibody detects endogenous levels of 5HT2C Receptor protein.

### DATA:



Western blot analysis of 5HT2C Receptor on A431 (1) AND K562 (2) lysates using anti-5HT2C Receptor antibody at 1/1,000 dilution.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue using anti-5HT2C Receptor antibody. Counter stained with hematoxylin.

### Note:

For research use only, not for use in diagnostic procedure.

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