

Anti-HTR2C Antibody (5H488)

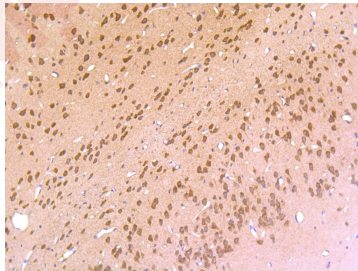
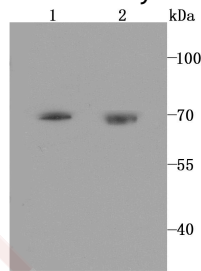
Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse,Rat
Conjugation:	Unconjugated
Molecular Weight:	Theoretical: 70 kDa.
Clone:	5H488
Purification:	ProA affinity purified

Applications

Verified Activity:

1. Western blot analysis of 5HT2C Receptor on A431 (1) AND K562 (2) lysates using anti-5HT2C Receptor antibody at 1/1,000 dilution.
2. Immunohistochemical analysis of paraffin-embedded mouse brain tissue using anti-5HT2C Receptor antibody. Counter stained with hematoxylin.



Application:	IHC,WB
Recommended	WB: 1:500-2000; IHC: 1:50-200

Properties

Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	Recombinant Protein
Uniprot ID:	P28335
Synonyms:	5-HT-1C receptor;5-HT1C;Htr1c;5Hydroxytryptamine 2C receptor;5-hydroxytryptamine receptor 1C;5-hydroxytryptamine(serotonin) receptor 2C, G protein-coupled;5HTR2C;5-HT-2C;serotonin 1c receptor;HTR2C;Serotonin receptor 2C;5-hydroxytryptamine receptor 2C;5-HT2C;5-HTR2C;serotonin 2c receptor;Serotonin 5-HT-2C receptor;5 Hydroxytryptamine 2C receptor;5HT2C

Research 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 Ca²⁺ 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481