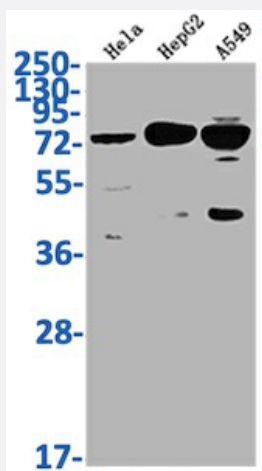


RecomAb™

HTR2C recombinant monoclonal antibody, clone 9H8

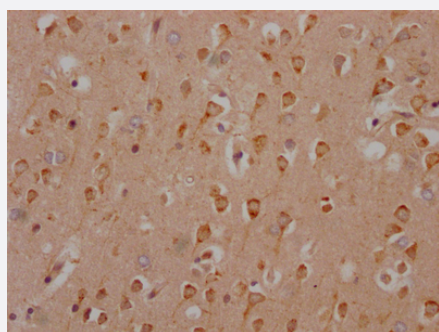
Catalog # RAB04106 Size 100 uL

Applications



Western Blot

Western Blot analysis of Lane 1: HeLa whole cell lysate; Lane 2: HepG2 whole cell lysate; Lane 3: A549 whole cell lysate.



Immunohistochemistry

Immunohistochemistry image of HTR2C recombinant monoclonal antibody, clone 9H8 diluted at 1:100 and staining in paraffin-embedded human brain tissue performed on a Leica Bond™ system.

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human HTR2C.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against recombinant protein corresponding to full length human HTR2C.
Reactivity	Human

Form	Liquid
Purification	Affinity chromatography
Isotype	IgG
Recommend Usage	ELISA Immunohistochemistry (1:50-1:200) Western Blot (1:500-1:5000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH7.4 (150mM NaCl, 50% glycerol and 0.02% sodium azide)
Storage Instruction	Store at -20 °C or -80 °C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot

Western Blot analysis of Lane 1: Hela whole cell lysate; Lane 2: HepG2 whole cell lysate; Lane 3: A549 whole cell lysate.

- Immunohistochemistry

Immunohistochemistry image of HTR2C recombinant monoclonal antibody, clone 9H8 diluted at 1:100 and staining in paraffin-embedded human brain tissue performed on a Leica Bond™ system.

- Enzyme-linked Immunoabsorbent Assay

Gene Info — HTR2C

Entrez GeneID	3358
Protein Accession#	P28335
Gene Name	HTR2C
Gene Alias	5-HT2C, 5-HTR2C, HTR1C
Gene Description	5-hydroxytryptamine (serotonin) receptor 2C
Omim ID	312861
Gene Ontology	Hyperlink

Gene Summary

Serotonin (5-hydroxytryptamine, 5-HT), a neurotransmitter, elicits a wide array of physiological effects by binding to several receptor subtypes, including the 5-HT₂ family of seven-transmembrane-spanning, G-protein-coupled receptors, which activate phospholipase C and D signaling pathways. This gene encodes the 2C subtype of serotonin receptor and its mRNA is subject to multiple RNA editing events, where genomically encoded adenosine residues are converted to inosines. RNA editing is predicted to alter amino acids within the second intracellular loop of the 5-HT_{2C} receptor and generate receptor isoforms that differ in their ability to interact with G proteins and the activation of phospholipase C and D signaling cascades, thus modulating serotonergic neurotransmission in the central nervous system. Studies in humans have reported abnormalities in patterns of 5-HT_{2C} editing in depressed suicide victims. [provided by RefSeq]

Other Designations

5-hydroxytryptamine receptor 2C|OTTHUMP00000023868|OTTHUMP00000023869|serotonin 5-HT-2C receptor|serotonin receptor 2C

Pathway

- [Calcium signaling pathway](#)
- [Gap junction](#)
- [Neuroactive ligand-receptor interaction](#)

Disease

- [Adolescent Psychology](#)
- [Affective Disorders](#)
- [Akathisia](#)
- [Alcoholism](#)
- [Alcohol-Related Disorders](#)
- [Alzheimer disease](#)
- [Anorexia Nervosa](#)
- [Antisocial Personality Disorder](#)
- [Anxiety Disorders](#)
- [Appetite](#)
- [Attention Deficit and Disruptive Behavior Disorders](#)
- [Attention Deficit Disorder with Hyperactivity](#)

- [Autistic Disorder](#)
- [Basal Ganglia Diseases](#)
- [Bipolar Disorder](#)
- [Body Weight](#)
- [Borderline Personality Disorder](#)
- [Brief Psychiatric Rating Scale](#)
- [Bulimia](#)
- [Cardiovascular Diseases](#)
- [Chronic Disease](#)
- [Cognition](#)
- [Depressive Disorder](#)
- [Diabetes Mellitus](#)
- [Disease Models](#)
- [Dyskinesia](#)
- [Dyspepsia](#)
- [Edema](#)
- [Epilepsy](#)
- [Executive Function](#)
- [Fatigue](#)
- [Fatigue Syndrome](#)
- [Genetic Predisposition to Disease](#)
- [Hypokinesia](#)
- [Memory](#)
- [Mental Disorders](#)
- [Metabolic Syndrome X](#)

- [Migraine Disorders](#)
- [Migraine with Aura](#)
- [Mood Disorders](#)
- [Muscle Rigidity](#)
- [NARP](#)
- [Neuropsychological Tests](#)
- [Obesity](#)
- [Ovarian Failure](#)
- [Panic Disorder](#)
- [Parkinson disease](#)
- [Parkinsonian Disorders](#)
- [Personality Disorders](#)
- [Personality Inventory](#)
- [Polycystic Ovary Syndrome](#)
- [Psychiatric Status Rating Scales](#)
- [Psychotic Disorders](#)
- [Puberty](#)
- [Puerperal Disorders](#)
- [Satiation](#)
- [Schizophrenia](#)
- [Schizophrenic Psychology](#)
- [Seasonal Affective Disorder](#)
- [Sexual Dysfunction](#)
- [Sleep](#)
- [Sleep Apnea](#)
- [Stress](#)

- [Substance Withdrawal Syndrome](#)
- [Thrombophilia](#)
- [Tobacco Use Disorder](#)
- [Tourette Syndrome](#)
- [Tremor](#)
- [Tuberous sclerosis](#)
- [Weight Gain](#)
- [Weight Loss](#)
- [Weil Disease](#)