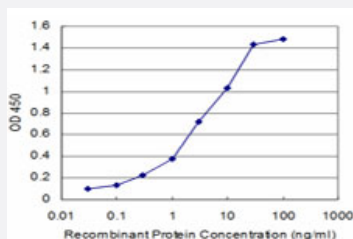


HTR2C monoclonal antibody (M02), clone 1A8

Catalog # H00003358-M02

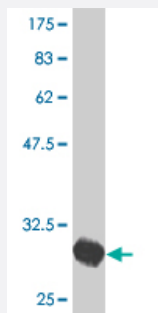
Size 100 ug

Applications



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged HTR2C is approximately 0.1ng/ml as a capture antibody.



Western Blot detection against Immunogen (31.46 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant HTR2C.
Immunogen	HTR2C (NP_000859, 1 a.a. ~ 52 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MVNLRNAVHSFLVHLIGLLVWQSDISVSPVAAMTDIFNTSDGGRFKFPDGV
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (81); Rat (81)

Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (31.46 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged HTR2C is approximately 0.1ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — HTR2C

Entrez GeneID	3358
GeneBank Accession#	NM_000868
Protein Accession#	NP_000859
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](#)