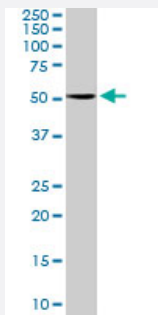


HTR2C polyclonal antibody

Catalog # PAB6803

Size 100 ug

Applications



Western Blot (Cell lysate)

HTR2C polyclonal antibody (Cat # PAB6803) (1 ug/mL) staining of EBV immortalised Lymphoblastoid lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Specification

Product Description Goat polyclonal antibody raised against synthetic peptide of HTR2C.

Immunogen A synthetic peptide corresponding to human HTR2C.

Sequence C-QVENLELPVN

Host Goat

Theoretical MW (kDa) 51.8

Reactivity Human

Form Liquid

Purification Antigen affinity purification

Concentration 0.5 mg/mL

Quality Control Testing Antibody Reactive Against Synthetic Peptide.

Recommend Usage
 ELISA (1:64000)
 Western Blot (1-3 ug/mL)
 The optimal working dilution should be determined by the end user.

Storage Buffer	In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)
Storage Instruction	Store at -20°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 (Cell lysate)

HTR2C polyclonal antibody (Cat # PAB6803) (1 ug/mL) staining of EBV immortalised Lymphoblastoid lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

- Enzyme-linked Immunoabsorbent Assay

Gene Info — HTR2C

Entrez GeneID	3358
Protein Accession#	NP_000859.1
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-HT2C 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-HT2C editing in depressed suicide victims. [provided by RefSeq]
Other Designations	5-hydroxytryptamine receptor 2C OTTHUMP00000023868 OTTHUMP00000023869 serotonin 5-HT-2C receptor serotonin receptor 2C

Publication Reference

- [Serotonin receptor 2C \(HTR2C\) and schizophrenia: examination of possible medication and genetic influences on expression levels.](#)

Castensson A, Aberg K, McCarthy S, Saetre P, Andersson B, Jazin E.

Leukemia Research 2005 Apr; 134B(1):84.

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](#)