Product Datasheet

HTR2B Antibody

Catalog No: #32964

Package Size: #32964-1 50ul #32964-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

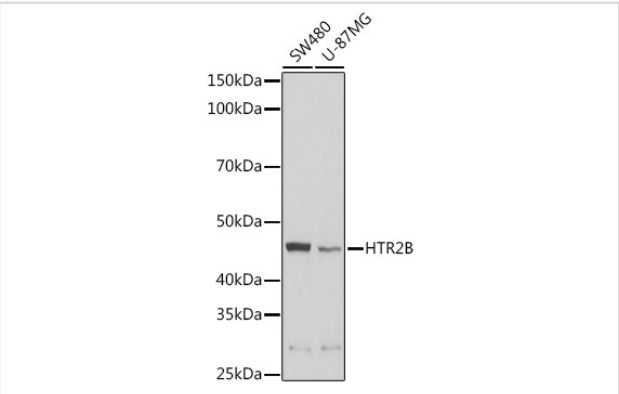
Description

Product Name	HTR2B Antibody
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Affinity purification
Applications	WB,IF
Species Reactivity	Human;Mouse;Rat
Specificity	The antibody detects endogenous level of total HTR2B protein.
Immunogen Type	Recombinant Protein
Immunogen Description	Recombinant fusion protein of human HTR2B (NP_000858.3).
Conjugates	Unconjugated
Target Name	HTR2B
Other Names	HTR2B;5-HT(2B);5-HT-2B;5-HT2B
Accession No.	Uniprot:P41595GeneID:3357
SDS-PAGE MW	47KDa
Concentration	1.0mg/ml
Formulation	PBS with 0.02% sodium azide,50% glycerol,pH7.3.
Storage	Store at -20°C. Avoid freeze / thaw cycles.

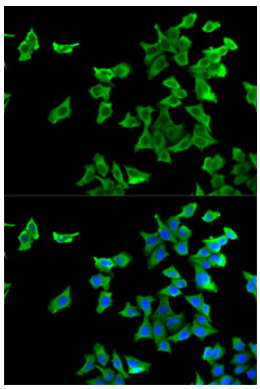
Application Details

WB□1:500 - 1:2000IF□1:10 - 1:100

Images



Western blot analysis of extracts of various cell lines, using HTR2B Rabbit pAb.



Immunofluorescence analysis of U2OS cells using HTR2B antibody.

Background

This gene encodes one of the several different receptors for 5-hydroxytryptamine (serotonin) that belongs to the G-protein coupled receptor 1 family. Serotonin is a biogenic hormone that functions as a neurotransmitter, a hormone, and a mitogen. Serotonin receptors mediate many of the central and peripheral physiologic functions of serotonin, including regulation of cardiovascular functions and impulsive behavior. Population and family-based analyses of a minor allele (glutamine-to-stop substitution, designated Q20*) which blocks expression of this protein, and knockout studies in mice, suggest a role for this gene in impulsivity. However, other factors, such as elevated testosterone levels, may also be involved. Alternatively spliced transcript variants have been found for this gene.

Published Papers

el at., 5-HT2A Receptor and 5-HT Degradation Play a Crucial Role in Atherosclerosis by Modulating Macrophage Foam Cell Formation, Vascular Endothelial Cell Inflammation, and Hepatic Steatosis In J Atheroscler Thromb on 2022 Mar 1 by Yingying Ma, Xiurui Liang,et al..PMID: 33536397, , (2022)

PMID:33536397

el at., Fluoxetine inhibited the activation of A1 reactive astrocyte in a mouse model of major depressive disorder through astrocytic 5-HT2BR/β-arrestin2 pathway. In J Neuroinflammation on 2022 Jan 29 by Yinquan Fang, Xiao Ding, et al..PMID: 35093099, , (2022)

PMID:35093099

Note: This product is for in vitro research use only and is not intended for use in humans or animals.