

For Research Use Only

# HTR2B Recombinant monoclonal antibody

Catalog Number:87277-1-RR



## Basic Information

<b>Catalog Number:</b> 87277-1-RR	<b>GenBank Accession Number:</b> BC063123	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 3357	<b>CloneNo.:</b> 252478D4
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P41595	<b>Recommended Dilutions:</b> WB: 1:1000-1:8000
<b>Isotype:</b> IgG	<b>Full Name:</b> 5-hydroxytryptamine (serotonin) receptor 2B	
<b>Immunogen Catalog Number:</b> AG24007	<b>Calculated MW:</b> 54 kDa	
	<b>Observed MW:</b> 57 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : HeLa cells, HepG2 cells, HT-29 cells
<b>Species Specificity:</b> human	

## Background Information

The serotonin (5-HT) gene has been implicated in the development of personality traits or temperament predisposition. HTR2B(serotonin receptor 2B) has been shown that 3,4-methylene-dioxymethamphetamine, commonly referred to as the drug ecstasy, selectively binds and activates 5-HT<sub>2B</sub> receptors to induce serotonin release in mouse raphe nuclei, which leads to dopamine release in the nucleus accumbens and ventral tegmentum (PMID:23774082). Moreover, One of the most reliable predictive markers of UM (Uveal melanoma) at risk of evolving toward the formation of liver lesions is an abnormally elevated level of expression of the transcript encoding the HTR2B (PMID:31002821).

## Storage

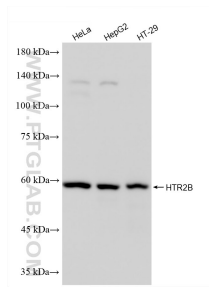
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
Aliquoting is unnecessary for -20°C storage

**\*\*\* 20ul sizes contain 0.1%BSA**

For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 87277-1-RR (HTR2B antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.