

For Research Use Only

# HTR2B Recombinant monoclonal antibody, PBS Only

Catalog Number:87277-1-PBS



## Basic Information

<b>Catalog Number:</b> 87277-1-PBS	<b>GenBank Accession Number:</b> BC063123	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug , Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 3357	<b>CloneNo.:</b> 252478D4
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P41595	
<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

**Tested Applications:**  
WB, Indirect ELISA

**Species Specificity:**  
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-HT2B 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 -80°C.

**Storage Buffer:**  
PBS only, pH7.3

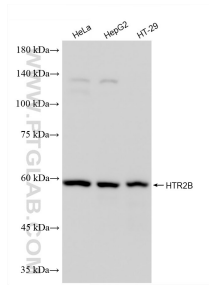
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T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

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## 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. This data was developed using the same antibody clone with 87277-1-PBS in a different storage buffer formulation.