

For Research Use Only

HTR4 Recombinant monoclonal antibody, PBS Only

Catalog Number: 85083-3-PBS



Basic Information

Catalog Number: 85083-3-PBS	GenBank Accession Number: BC074755	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 3360	CloneNo.: 242771E8
Source: Rabbit	UNIPROT ID: Q13639	
Isotype: IgG	Full Name: 5-hydroxytryptamine (serotonin) receptor 4	
Immunogen Catalog Number: AG15226	Calculated MW: 388 aa, 44 kDa	
	Observed MW: ~45 kDa	

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
human, mouse, rat

Background Information

HTR4 (5-hydroxytryptamine receptor 4, 5-HT₄) is a G protein-coupled receptor (GPCR) belonging to the serotonin receptor family. Activated by the neurotransmitter serotonin (5-hydroxytryptamine, 5-HT), HTR4 primarily couples to Gs proteins, leading to stimulation of adenylyl cyclase, increased intracellular cAMP levels, and activation of downstream signaling pathways. HTR4 is widely expressed in the gastrointestinal tract, central nervous system, and cardiovascular system, where it regulates gastrointestinal motility, neurotransmission, learning and memory, and cardiac function. In the nervous system, HTR4 has been implicated in cognitive processes and neuroprotection, while in the gut it promotes intestinal peristalsis and secretion.

Storage

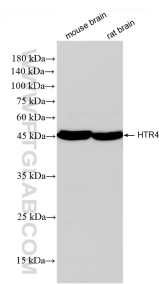
Storage:
Store at -80°C.

Storage Buffer:
PBS only, pH7.3

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)
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 85083-3-RR (HTR4 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 85083-3-PBS in a different storage buffer formulation.