

HTR1B Polyclonal Antibody

Catalog NumberPA5-33293

Product data sheet

Details		Species Reactivity	
Size	50 µg	Species reactivity	Bovine, Guinea pig, Hamster, Human, Mouse, Pig, Rabbit, Rat
Host/Isotope	Rabbit / IgG		
Class	Polyclonal	Tested Applications	Dilution *
Type	Antibody	Immunohistochemistry (Paraffin) (IHC (P))	7 µg/mL
Immunogen	Synthetic 16 amino acid peptide from 3rd cytoplasmic domain of human 5HT1B Receptor.	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Conjugate	Unconjugated		
Form	Liquid		
Concentration	1 mg/mL		
Purification	Antigen affinity chromatography		
Storage buffer	PBS		
Contains	0.1% sodium azide		
Storage Conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.		

Background/Target Information

Serotonin (5-hydroxytryptamine, 5-HT), originally discovered as a serum factor plays important roles in regulating diverse biological processes in central and peripheral nervous systems, cardiovascular systems, and gastrointestinal systems. Molecular cloning studies have identified 5 receptors belonging to the 5-HT1 subtypes. These receptors are negatively coupled to adenylyl cyclase. Radioligand binding studies suggest the presence of 5-HT1B (formerly known as 5-HT1DbR) sites in substantia nigra, dorsal subiculum, globus pallidus, and superior collicum. In situ hybridization studies show abundance of 5-HT1BR mRNA in CA1 pyramidal cells of hippocampus, Purkinje cells of cerebellum, olfactory tubercle, subthalamic nucleus and somewhat lower levels in the caudate-putamen, cortical areas, thalamic and hypothalamic nuclei.

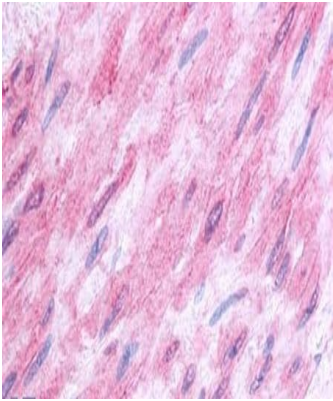
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Product Images For HTR1B Polyclonal Antibody



HTR1B Antibody (PA5-33293) in IHC (P)
Immunohistochemical analysis of formalin-fixed paraffin-embedded human vascular smooth muscle using a HTR1B/5-HT1B polyclonal antibody (Product # PA5-33293). Heat-induced antigen retrieval was performed prior to staining.

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