

HTR7 Polyclonal Antibody

Catalog NumberPA5-32869

Product data sheet

Details		Species Reactivity	
Size	50 µg	Species reactivity	Bovine, Dog, Horse, Hamster, Human, Mouse, Non-human primate, Pig, Rat
Host/Isotope	Rabbit / IgG		
Class	Polyclonal	Tested Applications	Dilution *
Type	Antibody	ELISA (ELISA)	Assay-dependent
Immunogen	Synthetic 20 amino acid peptide from C-terminus of human 5HT7 Receptor.	Immunohistochemistry (Paraffin) (IHC (P))	10-20 µg/mL
Conjugate	Unconjugated	* 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.	
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.		

Product specific information

Percent identity with other species by BLAST analysis: Human, Gorilla, Gibbon, Monkey, Marmoset, Mouse, Rat, Bovine, Bat, Dog, Hamster, Panda, Horse, Pig, Guinea pig (100%); Opossum (90%); Elephant (85%); Pufferfish, Zebrafish (80%). For IHC(P), use heat induced antigen retrieval in pH 6.0 citrate buffer. After incubation with the primary antibody, slides were incubated with biotinylated secondary antibody, followed by alkaline phosphatase-streptavidin and chromogen.

Background/Target Information

5-HT7 Receptor is a Serotonin Receptor with several functions, including regulation of the circadian rhythm and mediation of smooth-muscle relaxation in the vasculature and GI tract. This receptor has been implicated in depression, autism, and other neuropsychiatric disorders. Three protein isoforms have been documented: isoform a: 445aa; isoform b: 432aa; isoform d: 479aa. 5-HT7 Receptor has been reported in aorta, brain, heart, placenta, small intestine, spleen, artery, and vessel. An EST has been isolated from a testis library.

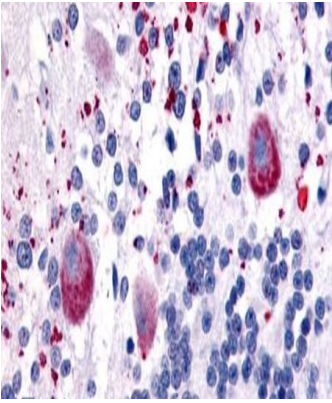
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Product Images For HTR7 Polyclonal Antibody



**HTR7 Antibody (PA5-32869) in IHC (P)**  
Immunohistochemical analysis of formalin-fixed paraffin-embedded human brain, cerebellum using a HTR7/5-HT7 polyclonal antibody (Product # PA5-32869). Heat-induced antigen retrieval was performed prior to staining.

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