

HTR2A Polyclonal Antibody

Catalog NumberPA5-32865

Product data sheet

Details		Species Reactivity	
Size	50 µg	Species reactivity	Horse, Human, Pig
Host/Isotope	Rabbit / IgG	Tested Applications	Dilution *
Class	Polyclonal		
Type	Antibody	Immunohistochemistry (Paraffin) (IHC (P))	10-12.5 µg/mL
Immunogen	Synthetic 17 amino acid peptide from N-Terminus of human 5HT2A 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.		

Product specific information

Percent identity with other species by BLAST analysis: Human, Chimpanzee, Gorilla, Orangutan, Gibbon, Monkey, Panda, Horse, Pig, Bat, Elephant (100%); Marmoset, Bovine, Dog (94%); Hamster (82%). Immunohistochemistry with formalin-fixed paraffin-embedded tissues requires pretreatment with Proteinase K.

Background/Target Information

In platelets and gut, serotonin plays a major role in cardiovascular function and motility of the gastrointestinal tract, respectively. Serotonin mediates its effects through several of G protein coupled receptors, designated 5-HT receptors or alternatively SR receptors. The SR-2 receptors are comprised of three subtypes, SR-2A, SR-2B and SR-2C, which activate phospholipase C and release intracellular stores of calcium in response to serotonin. SR-2A has a specific role in tracheal smooth muscle contraction, bronchoconstriction and mediating aldosterone production, and it is also thought to play a role in several psychiatric disorders, including depression and schizophrenia. SR-2B is expressed in embryonic and adult cardiovascular tissues, gut and brain and plays an important role in the pathology of cardiac disorders. SR-2C is thought to mediate the effects of atypical antipsychotic drugs.

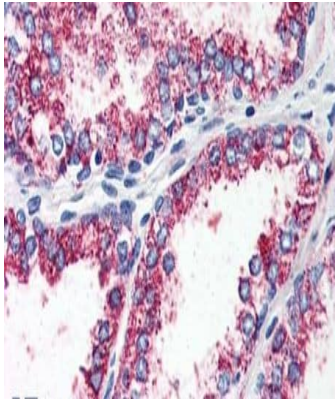
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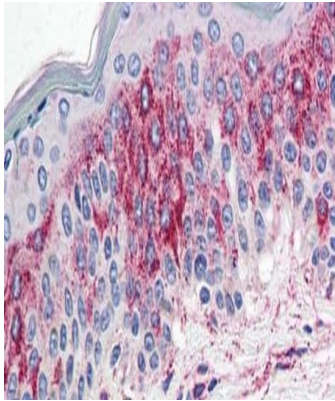
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Product Images For HTR2A Polyclonal Antibody



**HTR2A Antibody (PA5-32865) in IHC (P)**  
Immunohistochemical analysis of formalin-fixed paraffin-embedded human prostate using a HTR2A/5-HT2A polyclonal antibody (Product # PA5-32865). Antigens were retrieved with Proteinase K.



**HTR2A Antibody (PA5-32865) in IHC (P)**  
Immunohistochemical analysis of formalin-fixed paraffin-embedded human skin using a HTR2A/5-HT2A polyclonal antibody (Product # PA5-32865). Antigens were retrieved with Proteinase K.

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