

TAAR1 Polyclonal Antibody

Catalog Number PA5-33066

Product data sheet

Details		Species Reactivity	
Size	50 µg	Species reactivity	Human, Non-human primate
Host/Isotope	Rabbit / IgG	Tested Applications	Dilution *
Class	Polyclonal		
Type	Antibody	ELISA (ELISA)	Assay-dependent
Immunogen	Synthetic 19 amino acid peptide from 3rd cytoplasmic domain of human TAAR1.	Immunohistochemistry (Paraffin) (IHC (P))	28 µg/mL
		* 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, Monkey (100%); Orangutan (95%); Gibbon, Marmoset, Elephant (89%); Tamarin, Rabbit, Pig (84%). 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

TA1 has been reported in human brain, dorsal root ganglion, olfactory bulb, kidney, liver, lung, pancreas, prostate, skeletal muscle, small intestine, spleen, spinal cord, and stomach. An EST for TA1 has been identified from a human stomach cancer library. G-protein Coupled Receptors (GPCRs) comprise one of the largest families of signaling molecules with more than a thousand members currently predicted to exist. All GPCRs share a structural motif consisting of seven membrane-spanning helices, and exist in both active and inactive forms. An array of activating ligands participate in the conformation of GPCRs which leads to signaling via G-proteins and downstream effectors. Ongoing studies have also shown the vast series of reactions which participate in the negative regulation of GPCRs. This turn-off activity has tremendous implications for the physiological action of the cell, and continues to drive pharmacological research for new drug candidates.

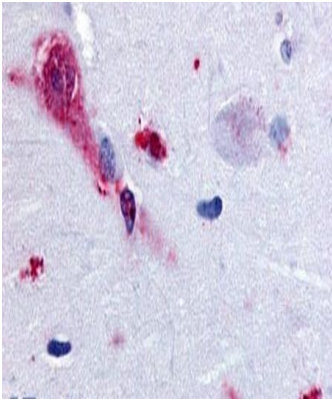
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Product Images For TAAR1 Polyclonal Antibody



TAAR1 Antibody (PA5-33066) in IHC (P)

Immunohistochemical analysis of formalin-fixed paraffin-embedded human brain, amygdala using a TAAR1 polyclonal antibody (Product # PA5-33066). Heat-induced antigen retrieval was performed prior to staining.

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