

TAAR1 Polyclonal Antibody

Catalog Number **OSR00119W**

Product data sheet

Details		Species Reactivity	
Size	100 µL	Species reactivity	Mouse
Host/Isotope	Rabbit / IgG	Tested Applications	
Class	Polyclonal	Immunohistochemistry (IHC)	1:1,000-1:2,000
Type	Antibody	Western Blot (WB)	1:1,000-1:2,000
Immunogen	A synthetic peptide from mouse TAAR1 conjugated to blue carrier protein was used as the antigen.	* 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	Lyophilized		
Concentration	Conc. Not Determined		
Storage Conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles. Glycerol (1:1) may be added for added stability.		

Product specific information

This antibody is predicted to react with rat based on sequence homology. Reconstitute in 100 µL of sterile water.

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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