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anti-TAAR5 antibody (Cytoplasmic Domain)

2 Images



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Quantity:	50 μg
Target:	TAAR5
Binding Specificity:	Cytoplasmic Domain
Reactivity:	Human, Monkey
Host:	Rabbit
Clonality:	Polyclonal
Application:	Immunohistochemistry (IHC), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))
Product Details	
Brand:	IHC-plus™
Immunogen:	Synthetic 16 amino acid peptide from 3rd cytoplasmic domain of human TAAR5. Percent identity with other species by BLAST analysis: Human, Gorilla, Orangutan, Gibbon, Monkey, Marmoset (100%), Baboon, Tamarin, Bovine, Pig (94%), Chimpanzee, Panda, Dog, Horse (88%), Mouse, Hamster, Elephant, Rabbit (81%).
	Type of Immunogen: Synthetic peptide
Specificity:	Human TAAR5. BLAST analysis of the peptide immunogen showed no homology with other human proteins, except TAAR9 (56 %), TAAR8 (56 %).
Predicted Reactivity:	Percent identity with other species by BLAST analysis: Human, Gorilla, Orangutan, Gibbon, Monkey, Marmoset (100%) Baboon, Tamarin, Bovine, Pig (94%) Chimpanzee, Panda, Dog, Horse (88%) Mouse, Hamster, Elephant, Rabbit (81%).

Product Details Purification: Immunoaffinity purified Target Details Target: TAAR5 Alternative Name TAAR5 (TAAR5 Products) Background: Name/Gene ID: TAAR5 Subfamily: Trace Amine Associated Receptor Family: GPCR Synonyms: TAAR5, PNR, RP11-295F4.5, Trace amine receptor 5, TaR-5 Gene ID: 9038 **Application Details** Approved: IHC, IHC-P (3 µg/mL) Application Notes: Comment: Target Species of Antibody: Human Assay Procedure: The IHC-pro Immunohistochemistry Protocol **Tissue Preparation** Formalin fixation and embedding in paraffin wax **Tissue Sectioning** Make 4-µm sections and place on pre-cleaned and charged microscope slides. Heat in a tissue-drying oven for 45 minutes at 60°C Deparaffinization Wash slides in 3 changes of xylene - 5 minutes each at room temperature.

Rehydration

Wash slides in 3 changes of 100% alcohol – 3 minutes each at room temperature.

Wash slides in 2 changes of 95% alcohol - 3 minutes each at room temperature.

Wash slides in 1 change of 80% alcohol – 3 minutes at room temperature.

Rinse slides in gentle running distilled water – 5 minutes at room temperature.

Antigen retrieval

Steam slides in 0.01 M sodium citrate buffer, pH 6.0 at 99-100°C - 20 minutes

Remove from heat and let stand at room temperature in buffer - 20 minutes

Rinse in 1X TBS with Tween (TBST) – 1 minute at room temperature.

Immunostaining

Do not allow tissues to dry at any time during the staining procedure.

Apply a universal protein block – 20 minutes at room temperature.

Drain protein block from slides, apply diluted primary antibody – 45 minutes at room temperature.

Rinse slides in 1X TBST - 1 minute at room temperature.

Apply a biotinylated secondary antibody (specific to the host of the primary antibody) - 30 minutes at room temperature.

Rinse slides 1X TBST – 1 minute at room temperature.

Apply alkaline phosphatase streptavidin – 30 minutes at room temperature.

Rinse slides in 1X TBST - 1 minute at room temperature.

Apply alkaline phosphatase chromogen substrate - 30 minutes at room temperature.

Wash slides in distilled water – 1 minute at room temperature.

Dehydrate

This method should only be used if the chromogen substrate is alcohol insoluble.

Wash slides in 2 changes of 80% alcohol – 1 minute each at room temperature.

Wash slides in 2 changes of 95% alcohol – 1 minute each at room temperature.

Wash slides in 3 changes of 100% alcohol – 1 minute each at room temperature.

Wash slides in 3 changes of xylene - 1 minute each at room temperature.

Apply coverslip

Restrictions:

For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	PBS, less than 0.1 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

Handling

	should be handled by trained staff only.	
Storage:	4 °C,-20 °C	
Storage Comment:	Aliquot and store undiluted at -20°C or below for up to 1 year. Can be stored undiluted at 4°C for up to 1 month. Avoid freeze-thaw cycles.	
Expiry Date:	12 months	

Images

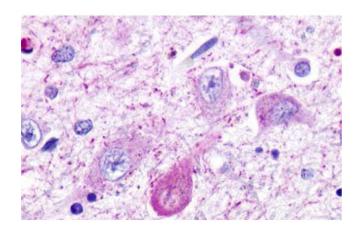
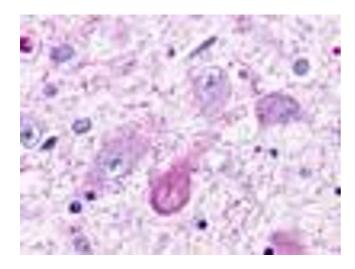


Image 1.



Immunohistochemistry

Image 2. Anti-TAAR5 antibody IHC of human brain, thalamus, neurons and glia. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.