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### anti-HTR1F antibody (Cytoplasmic Domain)





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Quantity:	50 μg	
Target:	HTR1F	
Binding Specificity:	Cytoplasmic Domain	
Reactivity:	Human, Monkey, Bat	
Host:	Rabbit	
Clonality:	Polyclonal	
Application:	Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (IHC)	
Product Details		
Brand:	IHC-plus™	
Immunogen:	Synthetic 19 amino acid peptide from 3rd cytoplasmic domain of human 5HT1F Receptor.  Percent identity with other species by BLAST analysis: Human, Chimpanzee, Gorilla, Orangutan, Monkey, Panda, Bat (100%), Gibbon, Mouse, Rat, Hamster, Elephant, Dog, Bovine, Rabbit (95%), Horse (89%).	
	Type of Immunogen: Synthetic peptide	
Specificity:	Human 5HT1F Receptor. BLAST analysis of the peptide immunogen showed no homology with other human proteins, except TPRXL (47 $\%$ ).	
Predicted Reactivity:	Percent identity with other species by BLAST analysis: Human, Chimpanzee, Gorilla, Orangutan, Monkey, Panda, Bat (100%) Gibbon, Mouse, Rat, Hamster, Elephant, Dog, Bovine, Rabbit (95%) Horse (89%).	

## **Product Details** Purification: Immunoaffinity purified Target Details Target: HTR1F Alternative Name HTR1F / 5-HT1F Receptor (HTR1F Products) Background: Name/Gene ID: HTR1F Subfamily: Serotonin Family: GPCR Synonyms: HTR1F, 5-HT1F, 5-HT1f receptor, 5HT1F Receptor, 5-HT-1F, 5HT6, HTR1EL, MR77, Serotonin 1f receptor, Serotonin 5-HT-1f receptor, Serotonin receptor 1F Gene ID: 3355 Pathways: **JAK-STAT Signaling Application Details** Approved: IHC, IHC-P (6 - 9 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

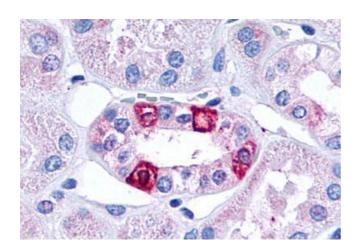
#### Handling

Format:	Liquid	
Concentration:	Lot specific	
Buffer:	PBS, less than 0.1 % sodium azide.	
Preservative:	Sodium azide	

#### Handling

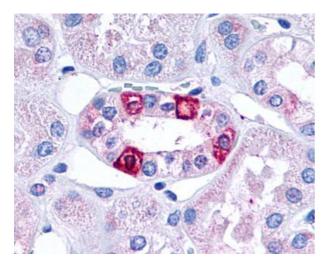
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which	
	should be handled by trained staff only.	
Storage:	4 °C,-20 °C	
Storage Comment:	Aliquot and store undiluted at -20°C or below for up to 1 year. Can be stored undiluted at 4°C for up to 1 month. Avoid freeze-thaw cycles.	
Expiry Date:	12 months	

#### **Images**



#### **Immunohistochemistry**

Image 1. Anti-5HT1F Receptor antibody ABIN1048264 IHC staining of human kidney, renal tubules. Immunohistochemistry of formalin-fixed, paraffinembedded tissue after heat-induced antigen retrieval.



#### **Immunohistochemistry**

**Image 2.** Anti-5HT1F Receptor antibody IHC of human kidney, renal tubules. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.