

Datasheet for ABIN1048275
anti-Serotonin Receptor 4 antibody (C-Term)



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1 Image

Overview

| | |
|----------------------|-----------------------------------------------------------------------------------------|
| Quantity: | 50 µg |
| Target: | Serotonin Receptor 4 (HTR4) |
| Binding Specificity: | C-Term |
| Reactivity: | Human, Pig, Horse, Monkey |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This Serotonin Receptor 4 antibody is un-conjugated |
| Application: | Immunohistochemistry (IHC), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)) |

Product Details

| | |
|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Brand: | IHC-plus™ |
| Immunogen: | Synthetic 20 amino acid peptide from C-terminus of human 5HT4 Receptor. Percent identity with other species by BLAST analysis: Human, Gorilla, Gibbon, Monkey, Marmoset, Elephant, Horse, Pig (100%), Panda, Dog, Rabbit (95%), Bat, Bovine (90%), Guinea pig (85%), Mouse, Rat (80%). Type of Immunogen: Synthetic peptide |
| Specificity: | Human 5HT4 Receptor. BLAST analysis of the peptide immunogen showed no homology with other human proteins. |
| Predicted Reactivity: | Percent identity with other species by BLAST analysis: Human, Gorilla, Gibbon, Monkey, Marmoset, Elephant, Horse, Pig (100%) Panda, Dog, Rabbit (95%) Bat, Bovine (90%) Guinea pig |

Product Details

(85%) Mouse, Rat (80%).

Purification: Immunoaffinity purified

Target Details

Target: Serotonin Receptor 4 (HTR4)

Alternative Name: HTR4 / 5-HT4 Receptor ([HTR4 Products](#))

Background: Name/Gene ID: HTR4

Subfamily: Serotonin

Family: GPCR

Synonyms: HTR4, 5-HT4, 5-HT4R, 5-HT-4, 5HT4 receptor, 5-HT4 receptor, 5-hydroxytryptamine 4 receptor, 5-hydroxytryptamine receptor 4, Serotonin 5-HT-4a receptor, Serotonin receptor 4, Cardiac 5-HT4 receptor, Serotonin 4 receptor, Serotonin 5-HT-4 receptor

Gene ID: 3360

Pathways: [JAK-STAT Signaling](#), [cAMP Metabolic Process](#), [S100 Proteins](#)

Application Details

Application Notes: Approved: IHC, IHC-P (7 - 17 µg/mL)

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

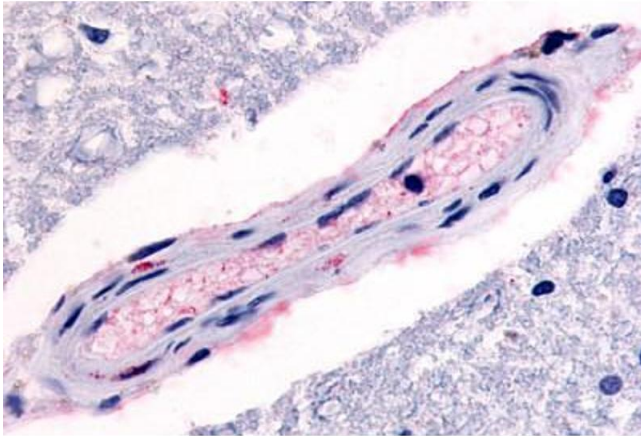
Format: Liquid

Concentration: Lot specific

Handling

| | |
|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| 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 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-5HT4 Receptor antibody ABIN1048275 IHC staining of human brain, vessel. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.