

Datasheet for ABIN1048258
anti-5HT1D antibody (Cytoplasmic Domain)

3 Images

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Overview

Quantity:	50 µg
Target:	5HT1D (HTR1D)
Binding Specificity:	Cytoplasmic Domain
Reactivity:	Human, Pig
Host:	Rabbit
Clonality:	Polyclonal
Application:	Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (IHC)

Product Details

Brand:	IHC-plus™
Immunogen:	<p>Synthetic 16 amino acid peptide from 3rd cytoplasmic domain of human 5HT1D Receptor.</p> <p>Percent identity with other species by BLAST analysis: Human, Gorilla, Gibbon, Monkey, Pig (100%), Marmoset, Bat, Dog, Bovine, Horse, Rabbit, Guinea pig (94%), Mouse, Rat, Panda (88%), Hamster, Elephant, Opossum, Turkey, Chicken (81%).</p> <p>Type of Immunogen: Synthetic peptide</p>
Specificity:	Human 5HT1D Receptor. BLAST analysis of the peptide immunogen showed no homology with other human proteins.
Predicted Reactivity:	<p>Percent identity with other species by BLAST analysis: Human, Gorilla, Gibbon, Monkey, Pig (100%) Marmoset, Bat, Dog, Bovine, Horse, Rabbit, Guinea pig (94%) Mouse, Rat, Panda (88%) Hamster, Elephant, Opossum, Turkey, Chicken (81%).</p>

Product Details

Purification: Immunoaffinity purified

Target Details

Target: 5HT1D (HTR1D)

Alternative Name: HTR1D / 5-HT1D Receptor ([HTR1D Products](#))

Background: Name/Gene ID: HTR1D

Subfamily: Serotonin

Family: GPCR

Synonyms: HTR1D, 5-HT1d alpha receptor, 5HT1D Receptor, 5-HT1d-type serotonin receptor, 5-HT1D, 5-HT-1D, 5-HT-1D-alpha, 5-HT1d receptor, HT1d receptor, HTR1DA, HTRL, HT1DA, Serotonin receptor 1D, RDC4, Gpcr14, Serotonin 1d receptor, Serotonin 5-HT-1d receptor

Gene ID: 3352

Pathways: [JAK-STAT Signaling](#)

Application Details

Application Notes: Approved: IHC, IHC-P (5 - 10 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
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Handling

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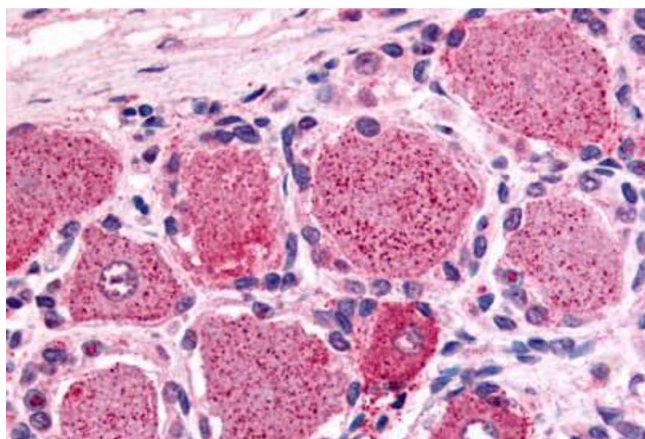
Concentration:	Lot specific
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Buffer:	PBS, less than 0.1 % sodium azide.
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Handling

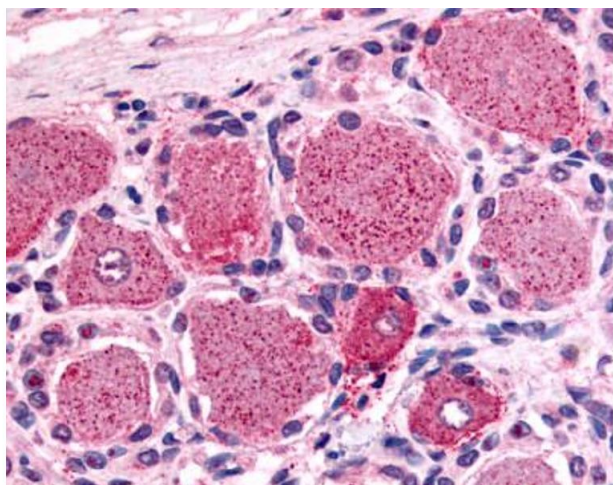
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Aliquot and store undiluted at -20°C or below for up to 1 year. Can be stored undiluted at 4°C for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

Images



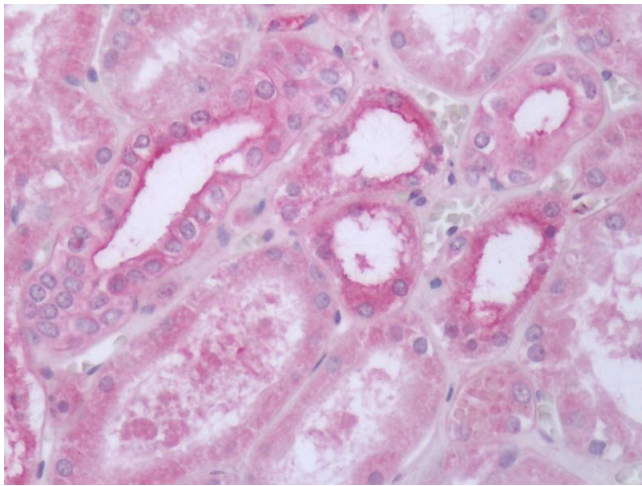
Immunohistochemistry

Image 1. Anti-5HT1D Receptor antibody ABIN1048258 IHC staining of human spinal cord, dorsal root ganglion. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.



Immunohistochemistry

Image 2. Anti-5HT1D Receptor antibody IHC of human spinal cord, dorsal root ganglion. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.



Immunohistochemistry (Paraffin-embedded Sections)

Image 3. Human Kidney: Formalin-Fixed, Paraffin-Embedded (FFPE)