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Datasheet for ABIN1048269 anti-HTR2C antibody (Cytoplasmic Domain)

2 Images



Overview

Quantity:	50 µg
Target:	HTR2C
Binding Specificity:	Cytoplasmic Domain
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Application:	Immunohistochemistry (IHC), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Brand:	IHC-plus™
Immunogen:	Synthetic 20 amino acid peptide from 3rd cytoplasmic domain of human 5HT2C Receptor. Percent identity with other species by BLAST analysis: Human, Chimpanzee, Gorilla, Orangutan,
	Gibbon, Marmoset (100%), Monkey (95%), Elephant, Panda, Horse (80%).
	Type of Immunogen: Synthetic peptide
Specificity:	Human 5HT2C Receptor. BLAST analysis of the peptide immunogen showed no homology with other human proteins, except ANKRD55 (50 %).
Predicted Reactivity:	Percent identity with other species by BLAST analysis: Human, Chimpanzee, Gorilla, Orangutan, Gibbon, Marmoset (100%) Monkey (95%) Elephant, Panda, Horse (80%).
Purification:	Immunoaffinity purified

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Target Details

Target:	HTR2C
Alternative Name:	HTR2C / 5-HT2C Receptor (HTR2C Products)
Background:	Name/Gene ID: HTR2C Subfamily: Serotonin Family: GPCR
	Synonyms: HTR2C, 5-HT-1C, 5-HT1c receptor, 5HT-1C, 5-HT2C, 5-HT2c receptor, 5HT2C Receptor, 5-HT-2C, 5-HT1C, 5-HTR2C, HTR1C, Serotonin 5-HT-1c receptor, Serotonin receptor 2C, Serotonin 1c receptor, Serotonin 5-HT-2C receptor, Serotonin 2c receptor
Gene ID:	3358
Pathways:	Inositol Metabolic Process, Regulation of Carbohydrate Metabolic Process, Feeding Behaviour

Application Details

Application Notes:	Approved: IHC, IHC-P (5.6 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

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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 streptavidin – 30 minutes at room temperature. Kinse 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

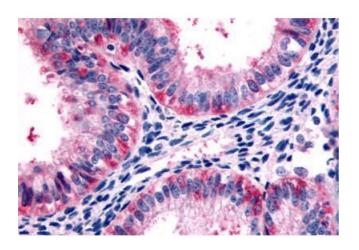
Format:	Liquid
Concentration:	Lot specific
Buffer:	PBS, less than 0.1 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

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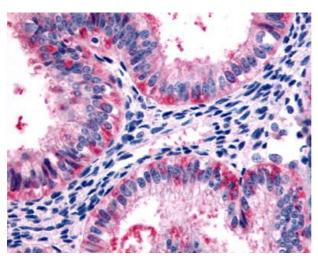
	should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Aliquot and store undiluted at -20°C or below for up to 1 year. Can be stored undiluted at 4°C for up to 1 month. Avoid freeze-thaw cycles.
Expiry Date:	12 months

Images



Immunohistochemistry

Image 1. Anti-5HT2C Receptor antibody ABIN1048269 IHC staining of human uterus, glandular cells. Immunohistochemistry of formalin-fixed, paraffinembedded tissue after heat-induced antigen retrieval.



Immunohistochemistry

Image 2. Anti-5HT2C Receptor antibody IHC of human uterus, glandular cells. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.

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