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Datasheet for ABIN2854715
anti-HTR2C antibody (C-Term)

2 Images

Overview

| | |
|----------------------|---|
| Quantity: | 100 µL |
| Target: | HTR2C |
| Binding Specificity: | C-Term |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This HTR2C antibody is un-conjugated |
| Application: | Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro)) |

Product Details

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|-------------------|--|
| Immunogen: | Carrier-protein conjugated synthetic peptide encompassing a sequence within the C-terminus region of human 5-HT2C receptor. The exact sequence is proprietary. |
| Isotype: | IgG |
| Cross-Reactivity: | Human, Mouse, Rat |
| Characteristics: | Rabbit Polyclonal antibody to 5-HT2C receptor 5-HT2C receptor antibody |
| Purification: | Purified by antigen-affinity chromatography. |

Target Details

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|---------|-------|
| Target: | HTR2C |
|---------|-------|

Target Details

| | |
|-------------------|---|
| Alternative Name: | 5-hydroxytryptamine receptor 2C (HTR2C Products) |
| Background: | <p>Serotonin (5-hydroxytryptamine, 5-HT), a neurotransmitter, elicits a wide array of physiological effects by binding to several receptor subtypes, including the 5-HT2 family of seven-transmembrane-spanning, G-protein-coupled receptors, which activate phospholipase C and D signaling pathways. This gene encodes the 2C subtype of serotonin receptor and its mRNA is subject to multiple RNA editing events, where genomically encoded adenosine residues are converted to inosines. RNA editing is predicted to alter amino acids within the second intracellular loop of the 5-HT2C receptor and generate receptor isoforms that differ in their ability to interact with G proteins and the activation of phospholipase C and D signaling cascades, thus modulating serotonergic neurotransmission in the central nervous system. Studies in humans have reported abnormalities in patterns of 5-HT2C editing in depressed suicide victims.</p> <p>Cellular Localization: Cell membrane</p> |
| Molecular Weight: | 52 kDa |
| Gene ID: | 3358 |
| UniProt: | P28335 |
| Pathways: | Inositol Metabolic Process , Regulation of Carbohydrate Metabolic Process , Feeding Behaviour |

Application Details

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|--------------------|---|
| Application Notes: | WB: 1:500-1:3000. IHC-P: 1:100-1:1000. Optimal dilutions/concentrations should be determined by the researcher. Not tested in other applications. |
| Comment: | Positive Control: rat brain , mouse placenta Validation: Orthogonal |
| Restrictions: | For Research Use only |

Handling

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|----------------|---|
| Format: | Liquid |
| Concentration: | 0.68 mg/mL |
| Buffer: | 0.1M Tris-Glycine (pH 7), 10 % Glycerol, 0.01 % Thimerosal |
| Preservative: | Thimerosal (Merthiolate) |

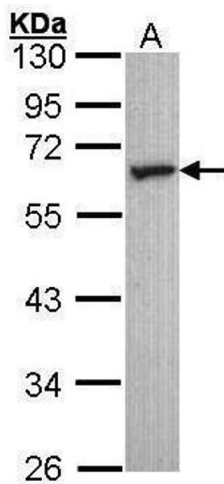
Handling

Precaution of Use: This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C, -20 °C

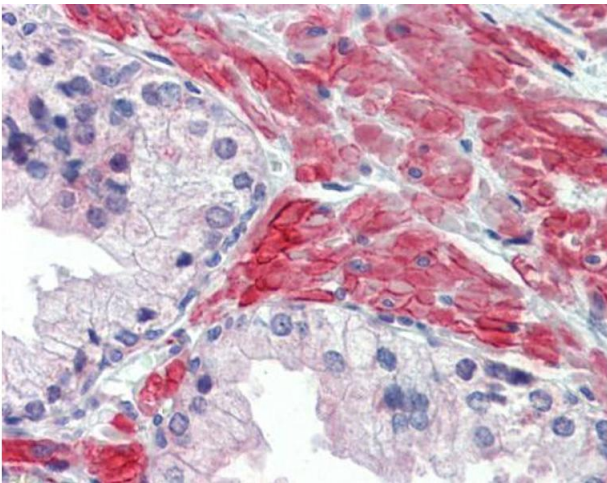
Storage Comment: Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.

Images



Western Blotting

Image 1. WB Image Sample (30 ug of whole cell lysate) A: A431 , 10% SDS PAGE antibody diluted at 1:1000



Immunohistochemistry

Image 2. IHC-P Image Immunohistochemical analysis of paraffin-embedded human prostate, using 5HT2C Receptor, antibody(10 µg/ml).