

Datasheet: AHP1344

BATCH NUMBER 180108

| | |
|----------------------|---|
| Description: | RABBIT ANTI HUMAN 5-HT7 RECEPTOR (N-TERMINAL) |
| Specificity: | 5-HT7 RECEPTOR (N-TERMINAL) |
| Other names: | HTR7 |
| Format: | Purified |
| Product Type: | Polyclonal Antibody |
| Isotype: | Polyclonal IgG |
| Quantity: | 50 µg |

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

| | Yes | No | Not Determined | Suggested Dilution |
|--------------------------------|-----|----|----------------|--------------------|
| Flow Cytometry | | | ▪ | |
| Immunohistology - Frozen | | | ▪ | |
| Immunohistology - Paraffin (1) | ▪ | | | 10ug/ml |
| ELISA | | | ▪ | |
| Immunoprecipitation | | | ▪ | |
| Western Blotting | | | ▪ | |
| Functional Assays | | | ▪ | |

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

(1)This product requires antigen retrieval using heat treatment prior to staining of paraffin sections.Sodium citrate buffer pH 6.0 is recommended for this purpose.

| | |
|------------------------------|--|
| Target Species | Human |
| Product Form | Purified IgG - liquid |
| Antiserum Preparation | Antisera to 5-HT7 receptor (NT) were raised by repeated immunisations of rabbits with highly purified antigen. Purified IgG prepared by affinity chromatography. |
| Buffer Solution | Phosphate buffered saline |

| | |
|--|---|
| Preservative Stabilisers | 0.09% Sodium Azide (NaN ₃) |
| Approx. Protein Concentrations | IgG concentration 0.5mg/ml |
| Immunogen | Synthetic peptide corresponding to the N-terminal domain of human 5-HT ₇ receptor, conjugated to Keyhole Limpet Hemocyanin (KLH). |
| External Database Links | <p>UniProt: P34969 Related reagents</p> <p>Entrez Gene: 3363 HTR7 Related reagents</p> |
| RRID | AB_906118 |
| Specificity | <p>Rabbit anti Human 5-HT₇ receptor antibody recognizes the N-terminal region of the serotonin (5-hydroxytryptamine, 5-HT) receptor 5-HT₇, which belongs to the G-protein coupled receptor superfamily. Serotonin is a neurotransmitter and vasoactive amine which is thought to play a role in various cognitive and behavioural functions including pain, appetite, mood and sleep.</p> <p>Signalling through 5-HT₇ has several effects, including regulation of the circadian rhythm and mediation of smooth-muscle relaxation in the vasculature and gastrointestinal tract. Signalling through 5-HT₇ has also been shown to contribute to early T-cell activation.</p> <p>5-HT₇ has been implicated in depression, autism, and other neuropsychiatric disorders.</p> |
| Histology Positive Control Tissue | Brain, cortex. |
| References | <ol style="list-style-type: none"> 1. León-ponte, M. <i>et al.</i> (2007) Serotonin provides an accessory signal to enhance T-cell activation by signaling through the 5-HT₇ receptor. Blood. 109 (8): 3139-46. 2. Soll, C. <i>et al.</i> (2012) Expression of serotonin receptors in human hepatocellular cancer. Clin Cancer Res. 18: 5902-10. |
| Storage | <p>Store at +4°C or at -20°C if preferred.</p> <p>Storage in frost-free freezers is not recommended.</p> <p>This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.</p> |
| Guarantee | 12 months from date of despatch |
| Health And Safety Information | <p>Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/AHP1344 10040</p> |

Related Products

Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...) [FITC](#)

Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)

Sheep Anti Rabbit IgG (STAR35...) [RPE](#)

Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)

Recommended Useful Reagents

[ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025A\)](#)

North & South Tel: +1 800 265 7376

America Fax: +1 919 878 3751

Email: antibody_sales_us@bio-rad.com

Worldwide

Tel: +44 (0)1865 852 700

Fax: +44 (0)1865 852 739

Email: antibody_sales_uk@bio-rad.com

Europe

Tel: +49 (0) 89 8090 95 21

Fax: +49 (0) 89 8090 95 50

Email: antibody_sales_de@bio-rad.com

To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets

'M363909:200529'

Printed on 12 Aug 2023
