Product name: Anti-5-HT2C Receptor antibody [EPR6487] ab133570

Description: Rabbit monoclonal [EPR6487] to 5-HT2C Receptor

Host species: Rabbit

Tested applications: Suitable for: WB
Unsuitable for: Flow Cyt, ICC/IF, IHC-Fr, IHC-P or IP

Species reactivity: Reacts with: Human

Immunogen: Synthetic peptide within Human 5HT2C Receptor aa 400-500 (C terminal). The exact sequence is proprietary.
Database link: P28335
(Peptide available as ab170038)

Positive control: WB: SH-SY5Y whole cell lysate and human brain tissue lysate.

General notes: This product is a recombinant monoclonal antibody, which offers several advantages including:
- High batch-to-batch consistency and reproducibility
- Improved sensitivity and specificity
- Long-term security of supply
- Animal-free production

For more information see here.

Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb® patents.

We are constantly working hard to ensure we provide our customers with best in class antibodies. As a result of this work we are pleased to now offer this antibody in purified format. We are in the process of updating our datasheets. The purified format is designated 'PUR' on our product labels. If you have any questions regarding this update, please contact our Scientific Support team.

Properties

Form: Liquid

Storage instructions: Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.

Dissociation constant ($K_D$): $K_D = 9.40 \times 10^{-12}$ M
Learn more about $K_D$

**Storage buffer**
- pH: 7.2
- Preservative: 0.01% Sodium azide
- Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.5% BSA

**Purity**
- Protein A purified

**Clonality**
- Monoclonal

**Clone number**
- EPR6487

**Isotype**
- IgG

### Applications

**The Abpromise guarantee**

Our [Abpromise guarantee](#) covers the use of ab133570 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<table>
<thead>
<tr>
<th>Application</th>
<th>Abreviews</th>
<th>Notes</th>
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</thead>
<tbody>
<tr>
<td>WB</td>
<td><img src="https://image.pollinations.ai/prompt/5%E2%AD%90%EF%B8%8F%E2%AD%90%EF%B8%8F%E2%AD%90%EF%B8%8F%E2%AD%90%EF%B8%8F" alt="5⭐️⭐️⭐️⭐️" /> (1)</td>
<td>1/1000 - 1/10000. Predicted molecular weight: 52 kDa.</td>
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</table>

**Application notes**
- Is unsuitable for Flow Cyt, ICC/IF, IHC-Fr, IHC-P or IP.

### Target

**Function**
This is one of the several different receptors for 5-hydroxytryptamine (serotonin), a biogenic hormone that functions as a neurotransmitter, a hormone, and a mitogen. This receptor mediates its action by association with G proteins that activate a phosphatidylinositol-calcium second messenger system.

**Sequence similarities**
- Belongs to the G-protein coupled receptor 1 family.

**Domain**
- The PDZ domain-binding motif is involved in the interaction with MPDZ.

**Post-translational modifications**
- N-glycosylated.

**Cellular localization**
- Cell membrane.

### Images
Western blot - Anti-5-HT2C Receptor antibody [EPR6487] (ab133570)

All lanes: Anti-5-HT2C Receptor antibody [EPR6487] (ab133570) at 1/1000 dilution

Lane 1: SH-SY5Y (Human neuroblastoma epithelial cell) whole cell lysates

Lane 2: Human brain lysates

Lysates/proteins at 20 µg per lane.

Secondary

All lanes: Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/20000 dilution

Predicted band size: 52 kDa

Observed band size: 75 kDa

Exposure time: 3 minutes

Blocking/Diluting buffer and concentration 5% NFDM/TBST

Equilibrium disassociation constant (K_D)

Learn more about K_D

Click here to learn more about K_D
Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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- We investigate all quality concerns to ensure our products perform to the highest standards

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