

Product datasheet

Anti-5-HT2C Receptor antibody [EPR6487] ab133570

Recombinant RabMAb

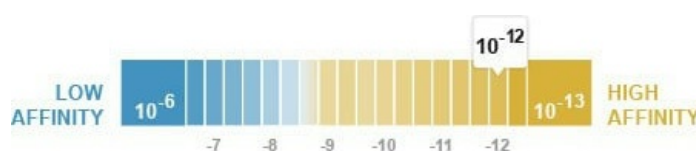
★★★★★ [3 Abreviews](#) [7 References](#) [3 Images](#)

Overview

Product name	Anti-5-HT2C Receptor antibody [EPR6487]
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: <ul style="list-style-type: none"> - 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 .

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 x 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.

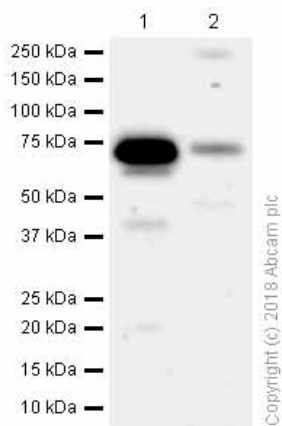
Application	Abreviews	Notes
WB	★★★★★ (1)	1/1000 - 1/10000. Predicted molecular weight: 52 kDa.

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

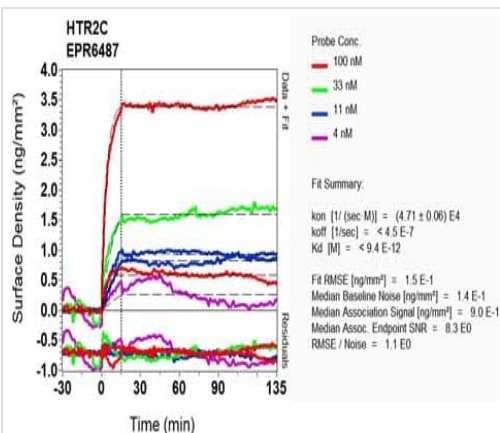
Exposure time: 3 minutes

Blocking/Diluting buffer and concentration 5% NFDM/TBST

Equilibrium dissociation constant (K_D)

Learn more about K_D

[Click here to learn more about \$K_D\$](#)



O1-RD Scanning - Anti-5-HT2C Receptor antibody
[EPR6487] (ab133570)

Why choose a recombinant antibody?



Research with confidence
Consistent and reproducible results



Long-term and scalable supply
Recombinant technology



Success from the first experiment
Confirmed specificity



Ethical standards compliant
Animal-free production

Anti-5-HT_{2C} Receptor antibody [EPR6487]
(ab133570)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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