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Datasheet for ABIN7043621

## anti-Serotonin Receptor 3A antibody (2nd Cytoplasmic Loop)

### 2 Images

#### Overview

Quantity:	50 µL
Target:	Serotonin Receptor 3A (HTR3A)
Binding Specificity:	2nd Cytoplasmic Loop, AA 342-355
Reactivity:	Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Serotonin Receptor 3A antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)

#### Product Details

Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: (C)RPVPDWLRHLVLDR, corresponding to amino acid residues 342-355 of rat 5-Hydroxytryptamine receptor 3A
Isotype:	IgG
Characteristics:	Anti-5HT3A Receptor (HTR3A) Antibody (ABIN7043621, ABIN7045283 and ABIN7045284)) is a highly specific antibody directed against an epitope of rat Serotonin receptor 3A. The antibody can be used in western blot and immunohistochemistry applications. It has been designed to recognize 5-HT3A from mouse, human, and rat samples.
Purification:	Affinity purified on immobilized antigen.

## Target Details

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Target:	Serotonin Receptor 3A (HTR3A)
Alternative Name:	5HT3A Receptor (HTR3A) ( <a href="#">HTR3A Products</a> )
Background:	Alternative names: 5HT3A Receptor (HTR3A), 5-Hydroxytryptamine receptor 3A, Serotonin receptor 3A, Serotonin-gated ion channel receptor
Gene ID:	79246
NCBI Accession:	<a href="#">NM_000869</a>
UniProt:	<a href="#">P35563</a>
Pathways:	<a href="#">Synaptic Membrane</a>

## Application Details

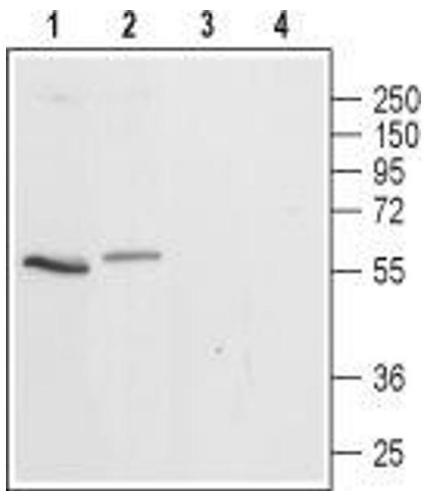
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Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

## Handling

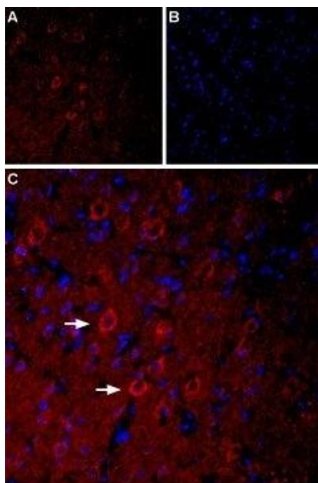
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Format:	Lyophilized
Reconstitution:	25 µL, 50 µL or 0.2 mL double distilled water (DDW), depending on the sample size.
Concentration:	0.8 mg/mL
Buffer:	Reconstituted antibody contains phosphate buffered saline (PBS), pH 7.4, 1 % BSA, 0.05 % Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	RT, 4 °C, -20 °C
Storage Comment:	Storage before reconstitution: The antibody ships as a lyophilized powder at room temperature. Upon arrival, it should be stored at -20°C. Storage after reconstitution: The reconstituted solution can be stored at 4°C for up to 1 week. For longer periods, small aliquots should be stored at -20°C. Avoid multiple freezing and thawing. Centrifuge all antibody preparations before use (10000 x g 5 min).



### Western Blotting

**Image 1.** Western blot analysis of rat (lanes 1 and 3) and mouse (lanes 2 and 4) brain lysates: - 1,2. Anti-5HT3A Receptor (HTR3A) Antibody (ABIN7043621, ABIN7045283 and ABIN7045284), (1:200), 3,4. Anti-5HT3A Receptor (HTR3A) Antibody, preincubated with 5HT3A Receptor/HTR3A Blocking Peptide (#BLP-SR031).



### Immunohistochemistry

**Image 2.** Expression of Serotonin receptor 3A in rat brain - Immunohistochemical staining of rat parietal cortex using Anti-5HT3A Receptor (HTR3A) Antibody (ABIN7043621, ABIN7045283 and ABIN7045284), (1:400), (red). A. 5-HT3A staining appears in neuronal outlines (arrows). B. Nuclear staining using DAPI as the counterstain. C. Merged image of A and B.