

Datasheet for ABIN7043624

anti-Serotonin Receptor 4 antibody (2nd Extracellular Loop)[Go to Product page](#)**2** Images

Overview

Quantity:	25 µL
Target:	Serotonin Receptor 4 (HTR4)
Binding Specificity:	2nd Extracellular Loop, AA 168-180
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Serotonin Receptor 4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunocytochemistry (ICC), Live Cell Imaging (LCI)

Product Details

Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: (C)DVIEKRKFNHNSN, corresponding to amino acid residues 168-180 of rat 5-Hydroxytryptamine receptor 4
Isotype:	IgG
Characteristics:	Anti-5HT4 Receptor (HTR4) (extracellular) Antibody (ABIN7043624, ABIN7045290 and ABIN7045291)) is a highly specific antibody directed against an epitope of the rat Serotonin receptor 4. The antibody can be used in western blot, immunocytochemistry, and live cell imaging applications. It has been designed to recognize 5HT4 receptor from rat, mouse, and human samples.
Purification:	Affinity purified on immobilized antigen.

Target Details

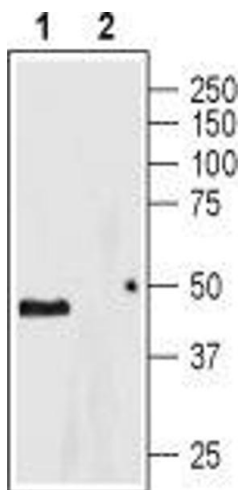
Target:	Serotonin Receptor 4 (HTR4)
Alternative Name:	5HT4 Receptor (HTR4) (HTR4 Products)
Background:	Alternative names: 5HT4 Receptor (HTR4), 5-Hydroxytryptamine receptor 4, Serotonin receptor 4
Gene ID:	25324
NCBI Accession:	NM_000870
UniProt:	Q62758
Pathways:	JAK-STAT Signaling , cAMP Metabolic Process , S100 Proteins

Application Details

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

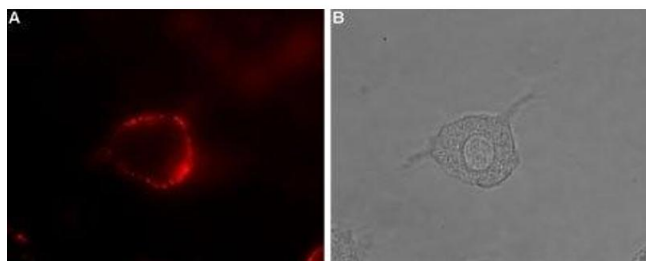
Handling

Format:	Lyophilized
Reconstitution:	25 µL, 50 µL or 0.2 mL double distilled water (DDW), depending on the sample size.
Concentration:	0.85 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:	<p>Storage before reconstitution: The antibody ships as a lyophilized powder at room temperature. Upon arrival, it should be stored at -20°C.</p> <p>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).</p>



Western Blotting

Image 1. Western blot analysis of rat brain lysate: - 1. Anti-5HT4 Receptor (HTR4) (extracellular) Antibody (ABIN7043624, ABIN7045290 and ABIN7045291), (1:200). 2. Anti-5HT4 Receptor (HTR4) (extracellular) Antibody, preincubated with 5HT4 Receptor/HTR4 (extracellular) Blocking Peptide (#BLP-SR036).



Immunocytochemistry

Image 2. Expression of Serotonin receptor 4 in rat PC12 cells - Cell surface detection of Serotonin receptor 4 in intact living rat pheochromocytoma (PC12) cells. A. Extracellular staining of cells using Anti-5HT4 Receptor (HTR4) (extracellular) Antibody, (ABIN7043624, ABIN7045290 and ABIN7045291), (1:100), (red). B. Merge of A with a live view of the cell.