

Datasheet for ABIN7043323
anti-MC3R antibody (1st Extracellular Loop)

3 Images

[Go to Product page](#)

Overview

Quantity:	50 µL
Target:	MC3R
Binding Specificity:	1st Extracellular Loop, AA 102-117
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MC3R antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Flow Cytometry (FACS), Immunofluorescence (IF)

Product Details

Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: (C)NSDSLTLTDQFIQHMD, corresponding to amino acid residues 102-117 of rat MC3R
Isotype:	IgG
Characteristics:	Anti-MC3 Receptor (extracellular) Antibody (ABIN7043323 and ABIN7044595)) is a highly specific antibody directed against an epitope of the rat melanocortin receptor 3. The antibody can be used in western blot, immunohistochemistry, and flow cytometry applications. It has been designed to recognize MC3R from human, mouse, and rat samples.
Purification:	Affinity purified on immobilized antigen.

Target Details

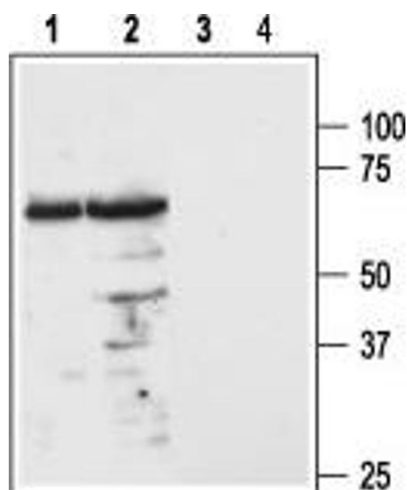
Target:	MC3R
Alternative Name:	MC3 Receptor (MC3R Products)
Background:	Alternative names: MC3 Receptor, Melanocortin receptor 3, MC3R, MC3-R
Gene ID:	29310
NCBI Accession:	NM_019888
UniProt:	P32244
Pathways:	cAMP Metabolic Process

Application Details

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

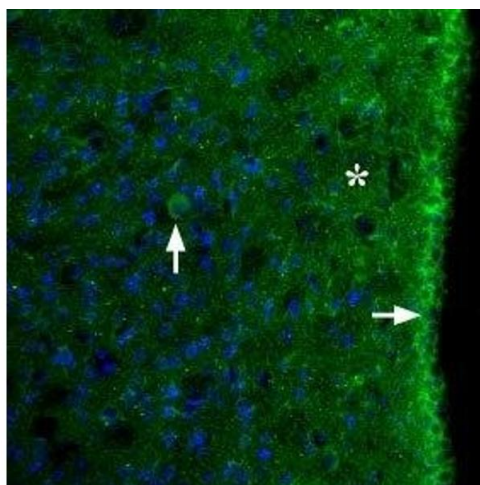
Handling

Format:	Lyophilized
Reconstitution:	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:	<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>



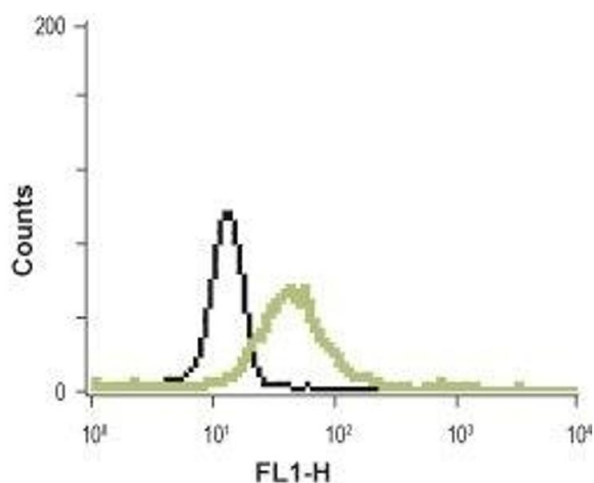
Western Blotting

Image 1. Western blot analysis of mouse (lanes 1 and 3) and rat (lanes 2 and 4) brain lysates: - 1,2. Anti-MC3 Receptor (extracellular) Antibody (ABIN7043323 and ABIN7044595), (1:200).3,4. Anti-MC3 Receptor (extracellular) Antibody, preincubated with MC3 Receptor (extracellular) Blocking Peptide (#BLP-MR023).



Immunohistochemistry

Image 2. Expression of MC3R in rat brain - Immunohistochemical staining of perfusion-fixed frozen rat brain sections using Anti-MC3 Receptor (extracellular) Antibody (ABIN7043323 and ABIN7044595), (1:100). Expression (green) appears in the hypothalamic periventricular region (horizontal arrow), in some nerve cells (vertical arrow), and in the neuropil (asterisk). Hoechst 33342 is used as the counterstain (blue).



Flow Cytometry

Image 3. Cell surface detection of MC3R in live human promyelocytic leukemia HL-60 cells. (black line) Cells + FITC-conjugated goat anti-rabbit antibody. (green line) Cells + Anti-MC3 Receptor (extracellular) Antibody (ABIN7043323 and ABIN7044595), (1:40) + FITC conjugated goat anti-rabbit antibody.