

Datasheet for ABIN7043322
anti-MC2R antibody (1st Extracellular Loop)

2 Images

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Overview

Quantity:	50 µL
Target:	MC2R
Binding Specificity:	1st Extracellular Loop, AA 87-99
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MC2R antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: (C)RNMGYLKPRGSFE, corresponding to amino acid residues 87-99 of human MC2R
Isotype:	IgG
Characteristics:	Anti-MC2 Receptor (extracellular) Antibody is directed against the first extracellular loop of the human melanocortin receptor 2. Anti-MC2 Receptor (extracellular) Antibody (ABIN7043322 and ABIN7044594)) can be used in western blot and immunohistochemistry applications. It has been designed to recognize MC2R from human, mouse, and rat samples.
Purification:	Affinity purified on immobilized antigen.

Target Details

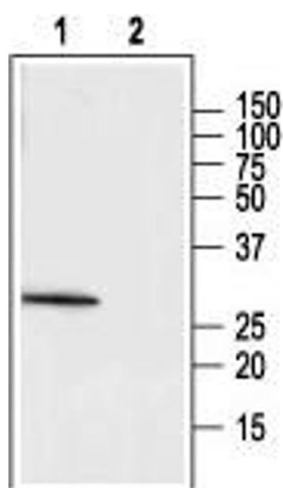
Target:	MC2R
Alternative Name:	MC2 Receptor (MC2R Products)
Background:	Alternative names: MC2 Receptor, Melanocortin receptor 2, MC2R, MC2-R, Adrenocorticotrophic hormone receptor, ACTH receptor, ACTHR, ACTH-R, Adrenocorticotropin receptor
Gene ID:	4158
NCBI Accession:	NM_000529
UniProt:	Q01718
Pathways:	cAMP Metabolic Process

Application Details

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

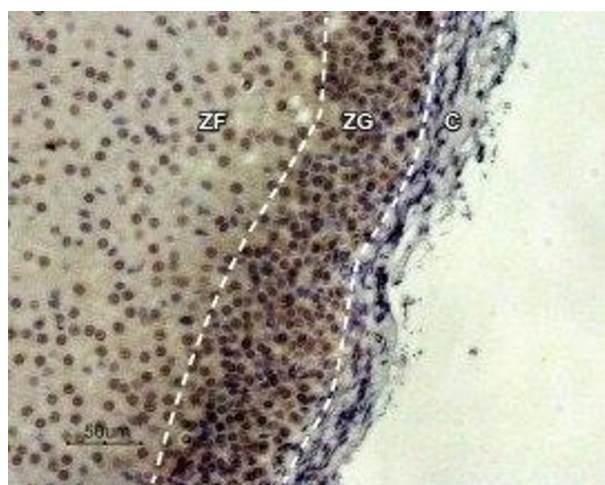
Handling

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 rat adrenal lysate: - 1. Anti-MC2 Receptor (extracellular) Antibody (ABIN7043322 and ABIN7044594), (1:400). 2. Anti-MC2 Receptor (extracellular) Antibody, preincubated with MC2 Receptor (extracellular) Blocking Peptide (#BLP-MR022).



Immunohistochemistry

Image 2. Expression of MC2R in rat adrenal gland - Immunohistochemical staining of paraffin embedded rat adrenal cortex section using Anti-MC2 Receptor (extracellular) Antibody (ABIN7043322 and ABIN7044594), (1:100). Shown are the capsule (C), the zona glomerulosa (ZG) and the zona fasciculata (ZF) of the adrenal cortex. Note that the staining (brown) is specific for cells of the adrenal gland while no staining is present in the dense connective tissue of the capsule. Color reaction was obtained with DAB. H&E is used as the counterstain.