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# anti-MC4R antibody (Extracellular, N-Term)





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Quantity:	25 μL
Target:	MC4R
Binding Specificity:	AA 6-20, Extracellular, N-Term
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MC4R antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Immunocytochemistry (ICC), Live Cell Imaging (LCI)
Product Details	
Product Details Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: (C)HRGMHTSLHLWNRSS, corresponding to amino acid residues 6-20 of human MC4R
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## **Target Details**

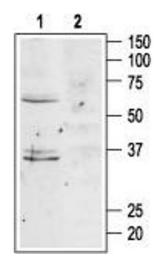
Target:	MC4R
Alternative Name:	MC4 Receptor (MC4R Products)
Background:	Alternative names: MC4 Receptor, Melanocortin receptor 4, MC4R, MC4-R
Gene ID:	4160
NCBI Accession:	NM_005912
UniProt:	P32245
Pathways:	Hormone Transport, cAMP Metabolic Process, Feeding Behaviour

## **Application Details**

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

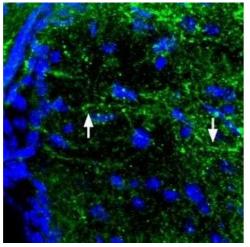
## Handling

Format:	Lyophilized
Reconstitution:	$25~\mu\text{L},50~\mu\text{L}$ or $0.2~\text{mL}$ 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).



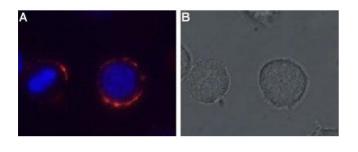
#### **Western Blotting**

Image 1. Western blot analysis of mouse brain lysates: - 1. Anti-MC4 Receptor (extracellular) Antibody (ABIN7043324, ABIN7044596 and ABIN7044597), (1:400).2. Anti-MC4 Receptor (extracellular) Antibody, preincubated with MC4 Receptor (extracellular) Blocking Peptide (#BLP-MR024).



#### **Immunohistochemistry**

Image 2. Expression of MC4R in mouse brain - Immunohistochemical staining of perfusion-fixed frozen mouse brain sections using Anti-MC4 Receptor (extracellular) Antibody (ABIN7043324, ABIN7044596 and ABIN7044597), (1:100). MC4R (green) is expressed in the mouse hypothalamus in axonal processes (arrows). Hoechst 33342 is used as the counterstain (blue).



### **Immunocytochemistry**

Image 3. Expression of MC4R in rat pituitary cell line - Cell surface detection of MC4R in live intact GH3 cells with Anti-MC4 Receptor (extracellular) Antibody (ABIN7043324, ABIN7044596 and ABIN7044597), (1:50). A. MC4R staining was observed, followed by Alexa-555-conjugated goat antirabbit secondary antibody (red). Hoechst 33342 (blue) is used to visualize the nuclei. B. Live view of the same field as A.

Please check the product details page for more images. Overall 4 images are available for ABIN7043324.