

Datasheet for ABIN651731
anti-MC2R antibody (AA 261-288)

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Overview

Quantity:	400 µL
Target:	MC2R
Binding Specificity:	AA 261-288
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MC2R antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This MC2R antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 261-288 amino acids of human MC2R.
Clone:	RB22805
Isotype:	IgG
Predicted Reactivity:	M, Pig
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	MC2R
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Target Details

Alternative Name:	MC2R (MC2R Products)
Background:	MC2R encodes one member of the five-member G-protein associated melanocortin receptor family. Melanocortins (melanocyte-stimulating hormones and adrenocorticotrophic hormone) are peptides derived from pro-opiomelanocortin (POMC). MC2R is selectively activated by adrenocorticotrophic hormone, whereas the other four melanocortin receptors recognize a variety of melanocortin ligands.
Molecular Weight:	33927
Gene ID:	4158
NCBI Accession:	NP_000520
UniProt:	Q01718
Pathways:	cAMP Metabolic Process

Application Details

Application Notes:	WB: 1:1000. IHC-P: 1:10~50. FC: 1:10~50
Restrictions:	For Research Use only

Handling

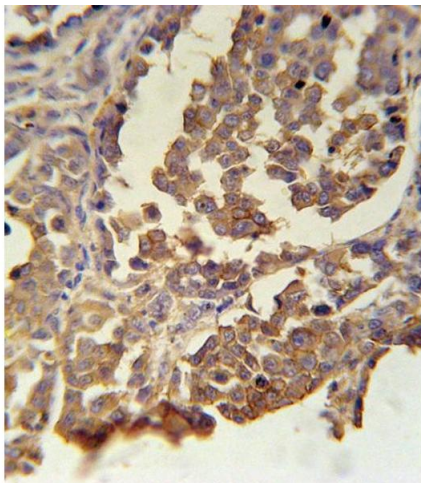
Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months

Publications

Product cited in:	Smith, Wietgreffe, Shang, Reilly, Southern, Perkey, Duan, Kohler, Müller, Robinson, Carlis, Li, Johnson, Haase: "Live simian immunodeficiency virus vaccine correlate of protection: immune
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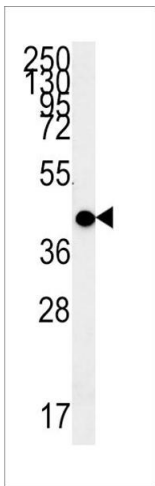
complex-inhibitory Fc receptor interactions that reduce target cell availability." in: **Journal of immunology (Baltimore, Md. : 1950)**, Vol. 193, Issue 6, pp. 3126-33, (2014) ([PubMed](#)).

Images



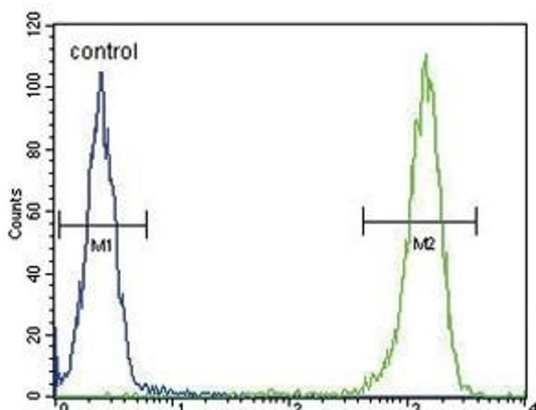
Immunohistochemistry (Paraffin-embedded Sections)

Image 1. MC2R Antibody (C-term) (ABIN651731 and ABIN2840379) immunohistochemistry analysis in formalin fixed and paraffin embedded human skin carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the MC2R Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



Western Blotting

Image 2. MC2R Antibody (C-term) (ABIN651731 and ABIN2840379) western blot analysis in WiDr cell line lysates (15 µg/lane). This demonstrates the MC2R antibody detected the MC2R protein (arrow).



Flow Cytometry

Image 3. MC2R Antibody (C-term) (ABIN651731 and ABIN2840379) flow cytometric analysis of WiDr cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.