antibodies - online.com







anti-MC4R antibody (C-Term)





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Quantity:	100 μL
Target:	MC4R
Binding Specificity:	C-Term
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MC4R antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Immunocytochemistry (ICC)

Product Details

Immunogen:	A synthesized peptide derived from human MC4R, corresponding to a region within C-terminal amino acids.
Isotype:	IgG
Specificity:	MC4R Antibody detects endogenous levels of total MC4R.
Predicted Reactivity:	Pig,Zebrafish,Bovine,Horse,Sheep,Rabbit,Dog,Chicken,Xenopus
Purification:	The antiserum was purified by peptide affinity chromatography using SulfoLink TM Coupling Resin (Thermo Fisher Scientific).

Target Details

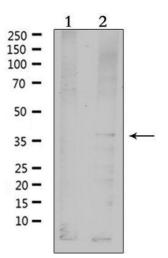
Target:	MC4R	

Target Details

Larget Details		
Alternative Name:	MC4R (MC4R Products)	
Background:	Description: Receptor specific to the heptapeptide core common to adrenocorticotropic	
	hormone and alpha-, beta-, and gamma-MSH. Plays a central role in energy homeostasis and	
	somatic growth. This receptor is mediated by G proteins that stimulate adenylate cyclase	
	(cAMP).	
	Gene: MC4R	
Molecular Weight:	37 kDa	
Gene ID:	4160	
UniProt:	P32245	
Pathways:	Hormone Transport, cAMP Metabolic Process, Feeding Behaviour	
Application Details		
Application Notes:	WB 1:500-1:1000, IF/ICC 1:100-1:500, IHC 1:50-1:200, ELISA(peptide) 1:20000-1:40000	
Restrictions:	For Research Use only	
Handling		
Format:	Liquid	
Concentration:	1 mg/mL	
Buffer:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 %	
	glycerol.	
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:	-20 °C	
Storage Comment:	Store at -20 °C. Stable for 12 months from date of receipt.	

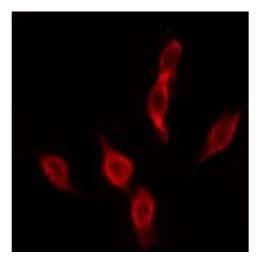
12 months

Expiry Date:



Western Blotting

Image 1. Western blot analysis of extracts from HepG2, using MC4R Antibody. Lane 1 was treated with the antigenspecific peptide.



Immunofluorescence (fixed cells)

Image 2. ABIN6276046 staining MCF7 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100,then blocked in 10% serum for 45 minutes at 25¡ãC. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37¡ãC. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibod