

## ARG56525 anti-Melanocortin 4 Receptor antibody

Package: 250 µl  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes Melanocortin 4 Receptor
Tested Reactivity	Hu, Ms, Rat
Tested Application	IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	Melanocortin 4 Receptor
Species	Mouse
Immunogen	Synthetic peptide around the N-terminus of Mouse Melanocortin-4 Receptor.
Conjugation	Un-conjugated
Alternate Names	MC4-R; MC4R; Melanocortin receptor 4

### Application Instructions

Application table	Application	Dilution
	IHC-P	1:200
	WB	1:300
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

### Properties

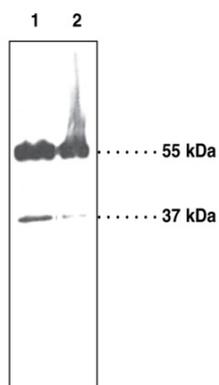
Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	TBS (pH 7.4), 0.02% Sodium azide, 50% Glycerol and 0.1% BSA.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol and 0.1% BSA
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

### Bioinformation

Gene Symbol	MC4R
Gene Full Name	melanocortin 4 receptor
Background	The protein encoded by this gene is a membrane-bound receptor and member of the melanocortin receptor family. The encoded protein interacts with adrenocorticotrophic and MSH hormones and is mediated by G proteins. This is an intronless gene. Defects in this gene are a cause of autosomal dominant obesity. [provided by RefSeq, Jan 2010]
Function	Receptor specific to the heptapeptide core common to adrenocorticotrophic 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). [UniProt]
Highlight	Related news: <a href="#">Studying obesity and appetite control by quantifying orexigenic and anorexigenic hormones:</a>
Calculated Mw	37 kDa
Cellular Localization	Cell membrane; Multi-pass membrane protein [UniProt]

## Images

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ARG56525 anti-Melanocortin 4 Receptor antibody WB image

Western blot: 1) 30  $\mu$ g of Human cerebella cortex pellet, and 2) 30  $\mu$ g of Human hippocampus homogenate stained with ARG56525 anti-Melanocortin 4 Receptor antibody.