

Product Name: MC4-R Rabbit Polyclonal Antibody
Catalog #: APRab13699



Summary

Production Name	MC4-R Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	WB
Reactivity	Human,Mouse,Rat

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

Gene Name	MC4R
Alternative Names	MC4R; Melanocortin receptor 4; MC4-R
Gene ID	4160.0
SwissProt ID	P32245.The antiserum was produced against synthesized peptide derived from human MC4R. AA range:281-330

Application

Dilution Ratio	WB 1:500-1:2000. ELISA: 1:40000.
Molecular Weight	37kD

Background

The protein encoded by this gene is a membrane-bound receptor and member of the melanocortin receptor family. The

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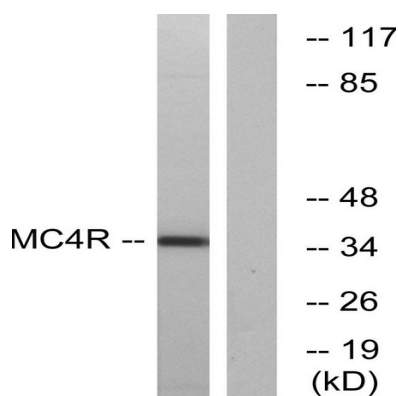


encoded protein interacts with adrenocorticotrophic and MSH hormones and is mediated by G proteins. This is an intronless gene. Defects in this gene are a cause of autosomal dominant obesity. [provided by RefSeq, Jan 2010],disease:Defects in MC4R are a cause of autosomal dominant obesity [MIM:601665],function:Receptor specific to the heptapeptide core common to adrenocorticotrophic hormone and alpha-, beta-, and gamma-MSH. This receptor is mediated by G proteins that stimulate adenylate cyclase.,online information:Melanocortin receptor entry,similarity:Belongs to the G-protein coupled receptor 1 family.,subunit:Interacts with ATRNL1.,tissue specificity:Brain, placental, and gut tissues.,

Research Area

Neuroactive ligand-receptor interaction;

Image Data



Western blot analysis of lysates from MCF-7 cells, using MC4R Antibody. The lane on the right is blocked with the synthesized peptide.

Note

For research use only.