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MC3R Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP8719c

Specification

MC3R Antibody (Center) - Product Information

Application	**WB, FC,E**
Primary Accession	P41968
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**36043**
Antigen Region	**86-112**

MC3R Antibody (Center) - Additional Information

Gene ID 4159

Other Names
Melanocortin receptor 3, MC3-R, MC3R

Target/Specificity
This MC3R antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 86-112 amino acids from the Central region of human MC3R.

Dilution
WB~~1:1000
FC~~1:10~50

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
MC3R Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

MC3R Antibody (Center) - Protein Information

Name MC3R

Function Receptor for MSH (alpha, beta and gamma) and ACTH. This receptor is mediated by G proteins which activate adenylate cyclase. Required for expression of anticipatory patterns of

activity and wakefulness during periods of limited nutrient availability and for the normal regulation of circadian clock activity in the brain.

Cellular Location
Cell membrane; Multi-pass membrane protein.

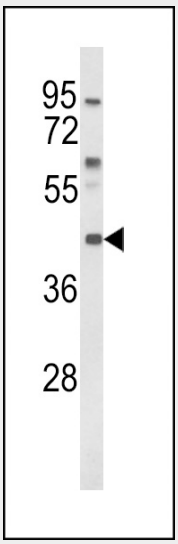
Tissue Location
Brain, placental, and gut tissues.

MC3R Antibody (Center) - Protocols

Provided below are standard protocols that you may find useful for product applications.

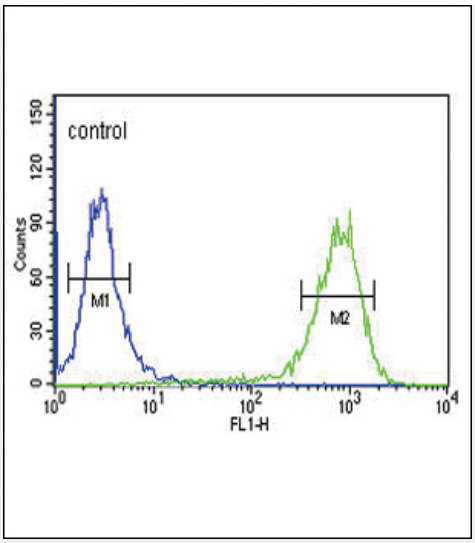
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

MC3R Antibody (Center) - Images



Western blot analysis of MC3R Antibody (Center) (Cat. #AP8719c) in K562 cell line lysates (35ug/lane). MC3R (arrow) was detected using the purified Pab.

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MC3R Antibody (Center) (Cat. #AP8719c) flow cytometric analysis of K562 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

MC3R Antibody (Center) - Background

MC3R is a G-protein-coupled receptor for melanocyte-stimulating hormone and adrenocorticotropic hormone that is expressed in tissues other than the adrenal cortex and melanocytes. This gene maps to the same region as the locus for benign neonatal epilepsy.

MC3R Antibody (Center) - References

Magenis,R.E.,et.al., Mamm. Genome 5 (8), 503-508 (1994)
Konda,Y., et.al., J. Biol. Chem. 269 (18), 13162-13166 (1994)