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MC4R / Melanocortin 4 Receptor Antibody (Cytoplasmic Domain)

Rabbit Polyclonal Antibody
Catalog # ALS10248

Specification

MC4R / Melanocortin 4 Receptor Antibody (Cytoplasmic Domain) - Product Information

Application	**IHC**
Primary Accession	P32245
Reactivity	**Human, Rabbit, Monkey, Sheep**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**37kDa KDa**

MC4R / Melanocortin 4 Receptor Antibody (Cytoplasmic Domain) - Additional Information

Gene ID 4160

Other Names
Melanocortin receptor 4, MC4-R, MC4R

Target/Specificity
Human MC4 Receptor. BLAST analysis of the peptide immunogen showed no homology with other human proteins.

Reconstitution & Storage
Long term: -70°C; Short term: +4°C

Precautions
MC4R / Melanocortin 4 Receptor Antibody (Cytoplasmic Domain) is for research use only and not for use in diagnostic or therapeutic procedures.

MC4R / Melanocortin 4 Receptor Antibody (Cytoplasmic Domain) - Protein Information

Name MC4R

Function
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).

Cellular Location
Cell membrane; Multi-pass membrane protein

Tissue Location
Brain, placental, and gut tissues.

Volume
50 µl

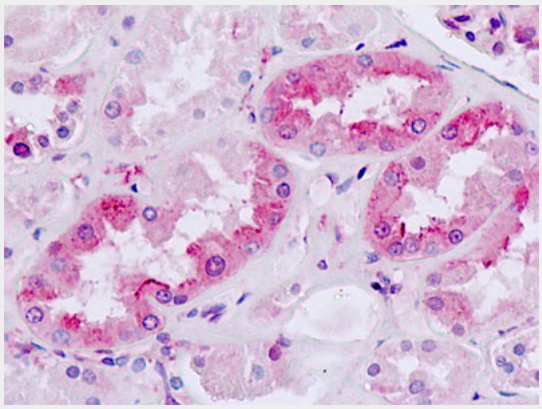
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MC4R / Melanocortin 4 Receptor Antibody (Cytoplasmic Domain) - Protocols

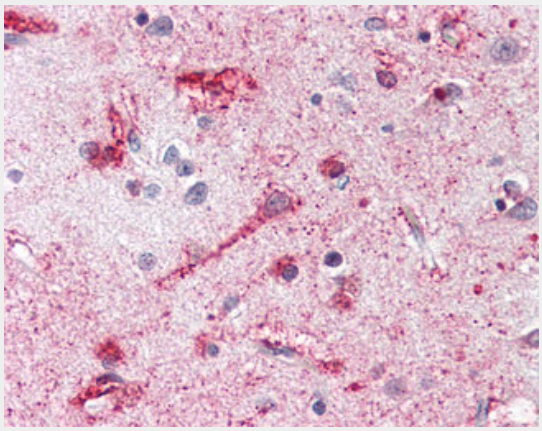
Provided below are standard protocols that you may find useful for product applications.

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

MC4R / Melanocortin 4 Receptor Antibody (Cytoplasmic Domain) - Images



Human, Kidney: Formalin-Fixed Paraffin-Embedded (FFPE)



Anti-MC4R / Melanocortin 4 Receptor antibody IHC of human brain neurons and glia.

MC4R / Melanocortin 4 Receptor Antibody (Cytoplasmic Domain) - Background

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).

MC4R / Melanocortin 4 Receptor Antibody (Cytoplasmic Domain) - References

Gantz I.,et al.J. Biol. Chem. 268:15174-15179(1993).

Mountjoy K.G.,et al.Mol. Endocrinol. 8:1298-1308(1994).
Kopatz S.A.,et al.Submitted (JAN-2003) to the EMBL/GenBank/DDBJ databases.
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.