

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 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).

Cellular Location

Cell membrane; Multi-pass membrane protein

Tissue Location

Brain, placental, and gut tissues.

Volume

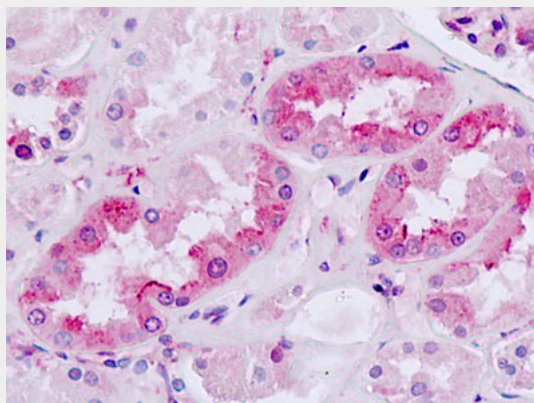
50 µl

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

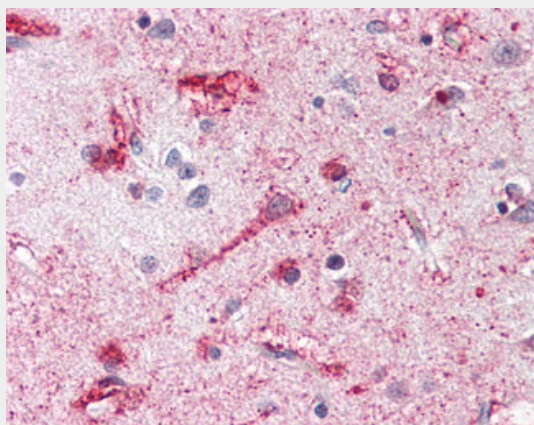
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [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 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).

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).
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