

**Anti-MC4 Receptor Antibody**  
**Catalog # AP53688****Specification**

---

**Anti-MC4 Receptor Antibody - Product Information**

Application	WB, IH
Primary Accession	<a href="#">P32245</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	36943

**Anti-MC4 Receptor Antibody - Additional Information****Gene ID** 4160**Other Names**

Melanocortin receptor 4; MC4-R

**Target/Specificity**

Recognizes endogenous levels of MC4 Receptor protein.

**Dilution**

WB~~1/500 - 1/1000

IH~~1/50 - 1/200

**Format**

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

**Storage**

Store at -20 °C.Stable for 12 months from date of receipt

**Anti-MC4 Receptor Antibody - 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**

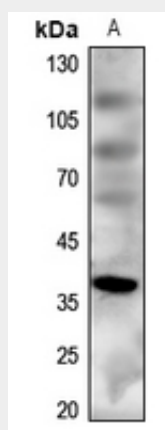
Brain, placental, and gut tissues.

## Anti-MC4 Receptor Antibody - Protocols

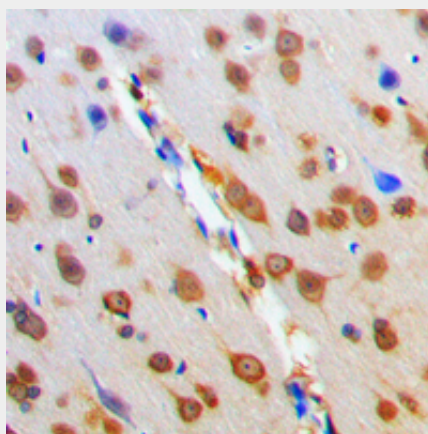
Provided below are standard protocols that you may find useful for product applications.

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

## Anti-MC4 Receptor Antibody - Images



Western blot analysis of MC4 Receptor expression in mouse brain (A) whole cell lysates.



Immunohistochemical analysis of MC4 Receptor staining in human brain formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

## Anti-MC4 Receptor Antibody - Background

Rabbit polyclonal antibody to MC4 Receptor