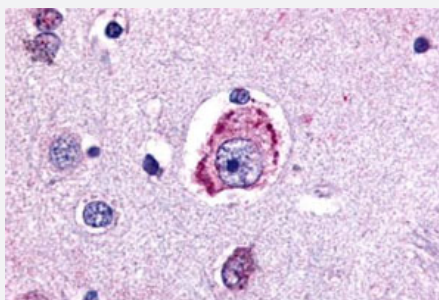


# MC4R polyclonal antibody

Catalog # PAB26493

Size 50 ug

## Applications



### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical (Formalin/PFA-fixed paraffin-embedded sections) staining in human brain, neurons and glia with MC4R polyclonal antibody (Cat # PAB26493). Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.

## Specification

|                            |                                                                                                                                                      |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Description</b> | Rabbit polyclonal antibody raised against synthetic peptide of MC4R.                                                                                 |
| <b>Immunogen</b>           | A synthetic peptide corresponding to 19 amino acids at N-terminal extracellular domain of human MC4R.                                                |
| <b>Host</b>                | Rabbit                                                                                                                                               |
| <b>Reactivity</b>          | Human                                                                                                                                                |
| <b>Specificity</b>         | BLAST analysis of the peptide immunogen showed no homology with other human proteins.                                                                |
| <b>Form</b>                | Liquid                                                                                                                                               |
| <b>Purification</b>        | Immunoaffinity chromatography                                                                                                                        |
| <b>Recommend Usage</b>     | Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (4 ug/mL)<br>The optimal working dilution should be determined by the end user. |
| <b>Storage Buffer</b>      | In PBS (0.09% sodium azide)                                                                                                                          |
| <b>Storage Instruction</b> | Store at 4°C. For long term storage store at -80°C.<br>Aliquot to avoid repeated freezing and thawing.                                               |

**Note**

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

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## Gene Info — MC4R

|                    |                                               |
|--------------------|-----------------------------------------------|
| Entrez GeneID      | <a href="#">4160</a>                          |
| Protein Accession# | <a href="#">P32245</a>                        |
| Gene Name          | MC4R                                          |
| Gene Alias         | MGC126851, MGC138197                          |
| Gene Description   | melanocortin 4 receptor                       |
| Omim ID            | <a href="#">155541</a> <a href="#">601665</a> |
| Gene Ontology      | <a href="#">Hyperlink</a>                     |
| Other Designations | OTTHUMP00000163654                            |

## Pathway

- [Neuroactive ligand-receptor interaction](#)

## Disease

- [Anorexia Nervosa](#)
- [Apnea](#)
- [Appetite](#)
- [Asthma](#)

- [Atherosclerosis](#)
- [Attention Deficit Disorder with Hyperactivity](#)
- [Autistic Disorder](#)
- [Birth Weight](#)
- [Body Weight](#)
- [Bulimia](#)
- [Cachexia](#)
- [Cardiovascular Diseases](#)
- [Colon cancer](#)
- [Colonic Neoplasms](#)
- [Colorectal Neoplasms](#)
- [Coronary Artery Disease](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Drug Toxicity](#)
- [Eating Disorders](#)
- [Edema](#)
- [Epilepsy](#)
- [Failure to Thrive](#)
- [Fatty Liver](#)
- [Gastrointestinal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Hyperandrogenism](#)
- [Hypercholesterolemia](#)
- [Hyperinsulinism](#)
- [Hyperphagia](#)

- [Hypertension](#)
- [Hypertriglyceridemia](#)
- [Inflammation](#)
- [Insulin Resistance](#)
- [Leukemia](#)
- [Lymphoma](#)
- [Metabolic Syndrome X](#)
- [Microsatellite Instability](#)
- [NARP](#)
- [Neoplasms](#)
- [Obesity](#)
- [Ovarian Failure](#)
- [Overweight](#)
- [Polycystic Ovary Syndrome](#)
- [Puberty](#)
- [Satiety Response](#)
- [Sleep Apnea](#)
- [Spasms](#)
- [Thinness](#)
- [Thrombophilia](#)
- [Tobacco Use Disorder](#)
- [Weight Gain](#)
- [Weight Loss](#)