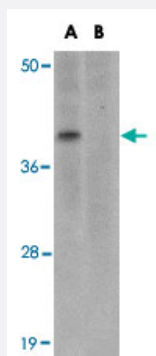


MC4R polyclonal antibody

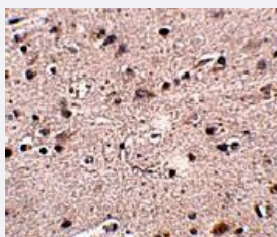
Catalog # PAB16756 Size 100 ug

Applications



Western Blot (Tissue lysate)

Western blot analysis of MC4R in rat brain tissue lysate with MC4R polyclonal antibody (Cat # PAB16756) at 1 ug/mL in (A) the absence and (B) the presence of blocking peptide.



Immunohistochemistry

Immunohistochemistry of MC4R in human brain tissue with MC4R polyclonal antibody (Cat # PAB16756) at 2.5 ug/mL .

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of MC4R.
Immunogen	A synthetic peptide corresponding to N-terminus 19 amino acids of human MC4R.
Host	Rabbit
Reactivity	Human, Mouse, Rat
Form	Liquid
Recommend Usage	Western Blot (1-2 ug/mL) The optimal working dilution should be determined by the end user.

Storage Buffer	In PBS (0.02% sodium azide)
Storage Instruction	Store at 4°C for three months. For long term storage store at -20°C. 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.

Applications

- Western Blot (Tissue lysate)

Western blot analysis of MC4R in rat brain tissue lysate with MC4R polyclonal antibody (Cat # PAB16756) at 1 ug/mL in (A) the absence and (B) the presence of blocking peptide.

- Immunohistochemistry

Immunohistochemistry of MC4R in human brain tissue with MC4R polyclonal antibody (Cat # PAB16756) at 2.5 ug/mL .

- Enzyme-linked Immunoabsorbent Assay

Gene Info — MC4R

Entrez GeneID	4160
Protein Accession#	NP_005903
Gene Name	MC4R
Gene Alias	MGC126851, MGC138197
Gene Description	melanocortin 4 receptor
Omim ID	155541 601665
Gene Ontology	Hyperlink
Other Designations	OTTHUMP00000163654

Publication Reference

- [Melanocortin-4 receptor activation inhibits c-Jun N-terminal kinase activity and promotes insulin signaling.](#)

Chai B, Li JY, Zhang W, Wang H, Mulholland MW.

Peptides 2009 Mar; 30(6):1098.

- [Anatomy and regulation of the central melanocortin system.](#)

Cone RD.

Nature Neuroscience 2005 May; 8(5):571.

- [Activation of MAP kinase by MC4-R through PI3 kinase.](#)

Vongs A, Lynn NM, Rosenblum CI.

Regulatory Peptides 2004 Aug; 120(1-3):113.

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](#)