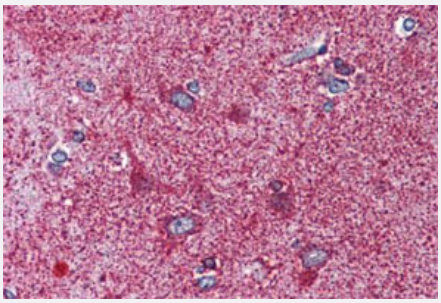
MC3R polyclonal antibody

Catalog # PAB26591 Size 50 ug

Applications



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

Immunohistochemical (Formalin/PFA-fixed paraffin-embedded sections) staining in human brain, cortex with MC3R polyclonal antibody (Cat # PAB26591). Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of MC3R.
Immunogen	A synthetic peptide corresponding to 18 amino acids from C-Terminus of human MC3R.
Host	Rabbit
Reactivity	Human
Specificity	BLAST analysis of the peptide immunogen showed no homology with other human proteins, except MC5R (78%).
Form	Liquid
Purification	Immunoaffinity chromatography
Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (10-12 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -80°C. Aliquot to avoid repeated freezing and thawing.

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

Applications

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

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Gene Info — MC3R

Entrez GeneID	4159
Protein Accession#	P41968
Gene Name	MC3R
Gene Alias	BMIQ9, MC3, MC3-R
Gene Description	melanocortin 3 receptor
Omim ID	155540 601665
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a G-protein-coupled receptor for melanocyte-stimulating hormone and adreno corticotropic hormone that is expressed in tissues other than the adrenal cortex and melanocytes. This gene maps to the same region as the locus for benign neonatal epilepsy. Mice deficient for t his gene have increased fat mass despite decreased food intake, suggesting a role for this gene product in the regulation of energy homeostasis. Mutations in this gene are associated with a sus ceptibility to obesity in humans. [provided by RefSeq
Other Designations	-

Pathway

- Neuroactive ligand-receptor interaction

Disease

- Anorexia Nervosa
- Attention Deficit Disorder with Hyperactivity
- Autistic Disorder
- Body Weight
- Bulimia
- Diabetes Mellitus
- Drug Toxicity
- Edema
- Genetic Predisposition to Disease
- Hypercholesterolemia
- Hyperinsulinism
- Insulin Resistance
- NARP
- Obesity
- Ovarian Failure
- Pleasure
- Polycystic Ovary Syndrome
- Puberty
- Sleep Apnea
- Thinness
- Thrombophilia
- Tobacco Use Disorder
- Tuberculosis
- Weight Loss