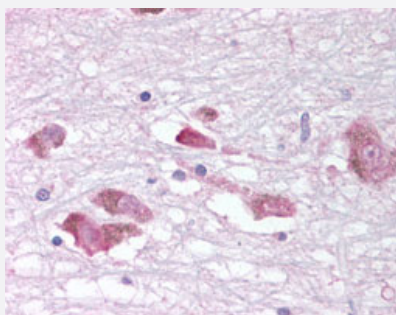


MCHR1 polyclonal antibody

Catalog # PAB16225

Size 50 ug

Applications



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

Immunohistochemical (Formalin/PFA-fixed paraffin-embedded sections) staining of human substantia nigra in brain. Using MCHR1 polyclonal antibody (Cat # PAB16225).

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of MCHR1.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to human MCHR1.
Host	Rabbit
Reactivity	Bovine, Dog, Human, Monkey, Mouse, Rat
Specificity	C-terminal domain of human. Predicted crossreactivity with mouse and rat due to sequence similarity.
Form	Liquid
Purification	Immunoaffinity purification
Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (10 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 should be handled by trained staff only.

Applications

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

Immunohistochemical (Formalin/PFA-fixed paraffin-embedded sections) staining of human substantia nigra in brain. Using MCHR1 polyclonal antibody (Cat # PAB16225).

Gene Info — MCHR1

Entrez GeneID [2847](#)

Protein Accession# [Q99705](#)

Gene Name MCHR1

Gene Alias GPR24, MCH1R, MGC32129, SLC1

Gene Description melanin-concentrating hormone receptor 1

Omim ID [601751](#)

Gene Ontology [Hyperlink](#)

Gene Summary The protein encoded by this gene, a member of the G protein-coupled receptor family 1, is an integral plasma membrane protein which binds melanin-concentrating hormone. The encoded protein can inhibit cAMP accumulation and stimulate intracellular calcium flux, and is probably involved in the neuronal regulation of food consumption. Although structurally similar to somatostatin receptors, this protein does not seem to bind somatostatin. [provided by RefSeq]

Other Designations G protein-coupled receptor 24|G-protein coupled receptor 24

Publication Reference

- [Melanin-Concentrating Hormone acts through hypothalamic kappa opioid system and p70S6K to stimulate acute food intake.](#)

Romero-Picó A, Sanchez-Reboredo E, Imbernon M, González-Touceda D, Folgueira C, Senra A, Fernø J, Blouet C, Cabrera R, van Gestel M, Adan RA, López M, Maldonado R, Nogueiras R, Diéguez C.

Neuropharmacology 2017 Dec; 130:62.

Application: IF, IHC-P, Rat, Rat brain

Pathway

- [Neuroactive ligand-receptor interaction](#)

Disease

- [Attention Deficit Disorder with Hyperactivity](#)
- [Autistic Disorder](#)
- [Bipolar Disorder](#)
- [Diabetes Mellitus](#)
- [Genetic Predisposition to Disease](#)
- [Hyperphagia](#)
- [Insulin Resistance](#)
- [NARP](#)
- [Obesity](#)
- [Ovarian Failure](#)
- [Polycystic Ovary Syndrome](#)
- [Postmortem Changes](#)
- [Puberty](#)
- [Schizophrenia](#)
- [Thrombophilia](#)
- [Tobacco Use Disorder](#)