10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

GPR24 Rabbit pAb

Catalog # AP99627

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q99705
Other Accession	Q99705
Reactivity	Rat
Predicted	Human, Mouse, Dog, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	38940
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human MCHR/GPR24
Epitope Specificity	75-180/422
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the G-protein coupled receptor 1 family.
SUBUNIT	Interacts with NCDN.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	MCHR, a member of the G protein coupled receptor family 1, is an integral plasma membrane protein which binds melanin concentrating hormone. MCHR 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, MCHR does not seem to bind somatostatin.

Additional Information

Gene ID	2847
Other Names	GPR24; MCH-1R; MCH1R; SLC-1; SLC1; MCHR1_HUMAN; MCHR1; MCH receptor 1; MCH-R1; MCHR-1; G-protein coupled receptor 24; MCH-1R (MCH1R | MCHR); Somatostatin receptor-like protein; MCHR1_MOUSE; MCHR1_RAT; melanin concentrating hormone receptor 1; G protein-coupled receptor 24; melanin-concentrating hormone receptor 1
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	MCHR1 (HGNC:4479)
Synonyms	GPR24, SLC1
Function	G protein-coupled receptor for melanin-concentrating hormone (MCH) that signals primarily through G(i/o) to inhibit adenylyl cyclase, and can additionally couple to G(q/11) to stimulate phospholipase C and mobilize intracellular calcium (PubMed:10421367, PubMed:15340116, PubMed:38710677, PubMed:39616153). Predominantly localized within the central nervous system where it regulates various physiological processes including feeding behavior, energy homeostasis, stress/anxiety-related behaviors and sleep (PubMed:10421367, PubMed:15166293, PubMed:15941924).
Cellular Location	Cell membrane; Multi-pass membrane protein
Tissue Location	Highest level in brain, particularly in the frontal cortex and hypothalamus, lower levels in the liver and heart

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.