

GPCR HM74 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP55965

Specification

GPCR HM74 Polyclonal Antibody - Product Information

Application	IHC-P, IHC-F, IF, ICC, E
Primary Accession	P49019
Host	Rabbit
Clonality	Polyclonal
Calculated MW	44478

GPCR HM74 Polyclonal Antibody - Additional Information

Gene ID 8843

Other Names

Hydroxycarboxylic acid receptor 3, G-protein coupled receptor 109B, G-protein coupled receptor HM74, G-protein coupled receptor HM74B, Niacin receptor 2, Nicotinic acid receptor 2, HCAR3, GPR109B, HCA3, HM74B, NIACR2

Dilution

IHC-P~~N/A
IHC-F~~N/A
IF~~1:50~200
ICC~~N/A
E~~N/A

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.

GPCR HM74 Polyclonal Antibody - Protein Information

Name HCAR3

Function

G-protein coupled receptor for 3-hydroxyoctanoate, a fatty acid beta-oxidation intermediate. Signals through the inhibitory G(i)/o family of G-proteins (PubMed:19561068, PubMed:37736747, PubMed:39427321). Acts as a negative feedback regulator of adipocyte lipolysis, helping to counterbalance prolipolytic signals during physiological or pathological elevations in beta-oxidation (PubMed:19561068). Acts as a low affinity receptor for nicotinic acid. This pharmacological effect requires nicotinic acid doses that are much higher than those provided by a normal diet (PubMed:12522134).

Cellular Location

Cell membrane; Multi-pass membrane protein

Tissue Location

Expression largely restricted to adipose tissue and spleen.

GPCR HM74 Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

GPCR HM74 Polyclonal Antibody - Images