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GPCR HM74 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP55965

Product Information

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

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=1:100-500,IHC-F=1:100-500,ICC=1:100-500,IF=1:100-500,ELISA=1:5000-10000
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	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.

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