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GPR109B Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP19262A

Specification

GPR109B Antibody (N-term) - Product Information

Application	**WB,E**
Primary Accession	P49019
Other Accession	NP_006009.2
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Antigen Region	**71-99**

GPR109B Antibody (N-term) - 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

Target/Specificity
This GPR109B antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 71-99 amino acids from the N-terminal region of human GPR109B.

Dilution
WB~~1:1000
E~~Use at an assay dependent concentration.

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
GPR109B Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

GPR109B Antibody (N-term) - 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

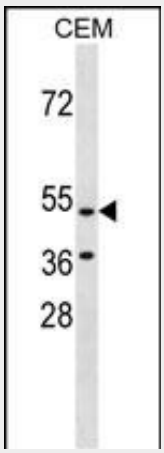
Tissue Location
Expression largely restricted to adipose tissue and spleen.

GPR109B Antibody (N-term) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

GPR109B Antibody (N-term) - Images



GPR109B Antibody (N-term)(Cat. #AP19262a) western blot analysis in CEM cell line lysates (35ug/lane).This demonstrates the GPR109B antibody detected the GPR109B protein (arrow).

GPR109B Antibody (N-term) - Background

Receptor for 3-OH-octanoid acid mediates a negative feedback regulation of adipocyte lipolysis to counteract prolipolytic influences under conditions of physiological or pathological increases in beta-oxidation rates. 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.

GPR109B Antibody (N-term) - References

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