

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

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

Synonyms GPR109B, HCA3, HM74B, NIACR2

Function 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.

Cellular Location

Cell membrane; Multi-pass membrane protein.

Tissue Location

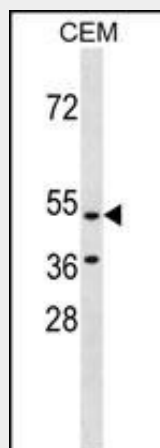
Expression largely restricted to adipose tissue and spleen.

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 Cytometry](#)
- [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

Bailey, S.D., et al. Diabetes Care (2010) In press :

Mandrika, I., et al. Biochem. Biophys. Res. Commun. 395(2):281-287(2010)

Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009)

Jeninga, E.H., et al. J. Biol. Chem. 284(39):26385-26393(2009)

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