

**HCAR3 / GPR109B / HM74 Antibody (aa1-50)**  
**Rabbit Polyclonal Antibody**  
**Catalog # ALS11914****Specification**

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**HCAR3 / GPR109B / HM74 Antibody (aa1-50) - Product Information**

Application	WB
Primary Accession	<a href="#">P49019</a>
Reactivity	Human, Hamster, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	44kDa KDa

**HCAR3 / GPR109B / HM74 Antibody (aa1-50) - 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**

A portion of amino acids 1-50 of human GPR109B

**Reconstitution & Storage**

Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles.

**Precautions**

HCAR3 / GPR109B / HM74 Antibody (aa1-50) is for research use only and not for use in diagnostic or therapeutic procedures.

**HCAR3 / GPR109B / HM74 Antibody (aa1-50) - 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**

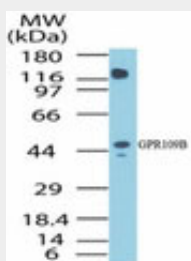
Expression largely restricted to adipose tissue and spleen.

### **HCAR3 / GPR109B / HM74 Antibody (aa1-50) - 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](#)

### **HCAR3 / GPR109B / HM74 Antibody (aa1-50) - Images**



Western blot of human GPR109B in human liver lysate using antibody at 1 ug/ml.

### **HCAR3 / GPR109B / HM74 Antibody (aa1-50) - 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.

### **HCAR3 / GPR109B / HM74 Antibody (aa1-50) - References**

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Suwa M.,et al.Submitted (JUL-2001) to the EMBL/GenBank/DDBJ databases.  
Ota T.,et al.Nat. Genet. 36:40-45(2004).  
Scherer S.E.,et al.Nature 440:346-351(2006).  
Wise A.,et al.J. Biol. Chem. 278:9869-9874(2003).