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HCAR3 / GPR109B / HM74 Antibody (Cytoplasmic Domain)

Rabbit Polyclonal Antibody
Catalog # ALS10060

Specification

HCAR3 / GPR109B / HM74 Antibody (Cytoplasmic Domain) - Product Information

Application	**IHC-P, ICC**
Primary Accession	P49019
Reactivity	**Human, Hamster, Dog**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**44kDa KDa**
Dilution	**IHC-P~~N/A** **ICC~~N/A**

HCAR3 / GPR109B / HM74 Antibody (Cytoplasmic Domain) - 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
Human GPR109B / HM74. BLAST analysis of the peptide immunogen showed no homology with other human proteins, except HCAR2 (100%), GPR81 (50%).

Reconstitution & Storage
Long term: -70°C; Short term: +4°C

Precautions
HCAR3 / GPR109B / HM74 Antibody (Cytoplasmic Domain) is for research use only and not for use in diagnostic or therapeutic procedures.

HCAR3 / GPR109B / HM74 Antibody (Cytoplasmic Domain) - 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.

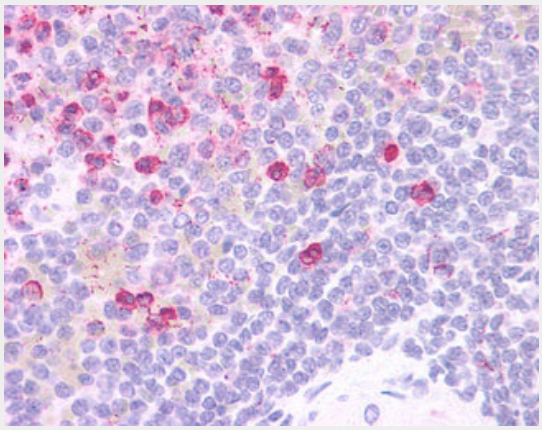
Volume
50 µl

HCAR3 / GPR109B / HM74 Antibody (Cytoplasmic Domain) - 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

HCAR3 / GPR109B / HM74 Antibody (Cytoplasmic Domain) - Images



Anti-HCAR3 / GPR109B / HM74 antibody IHC of human spleen.

HCAR3 / GPR109B / HM74 Antibody (Cytoplasmic Domain) - 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 (Cytoplasmic Domain) - 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).
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