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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** |
| Primary Accession | P49019 |
| Reactivity | **Human, Hamster, Dog** |
| Host | **Rabbit** |
| Clonality | **Polyclonal** |
| Calculated MW | **44kDa KDa** |

### 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.

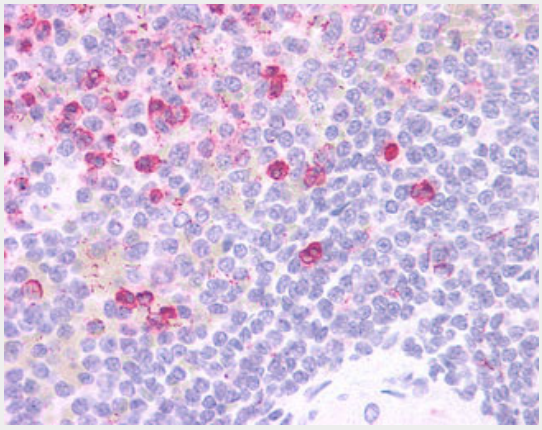
**Volume**
50 µl

## 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

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## HCAR3 / GPR109B / HM74 Antibody (Cytoplasmic Domain) - References

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Suwa M.,et al.Submitted (JUL-2001) to the EMBL/GenBank/DDBJ databases.
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