

Datasheet for ABIN952597
anti-HCAR2 antibody (Middle Region)[Go to Product page](#)

1 Image

Overview

Quantity:	0.4 mL
Target:	HCAR2
Binding Specificity:	AA 207-236, Middle Region
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HCAR2 antibody is un-conjugated
Application:	Western Blotting (WB), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	KLH conjugated synthetic peptide between 207-236 amino acids from the Central region of human GPR109A Genename: NIACR1
Isotype:	Ig Fraction
Specificity:	This antibody recognizes Human GRP109A (Center). Other species not tested.
Purification:	Protein A column, followed by peptide affinity purification

Target Details

Target:	HCAR2
Alternative Name:	GPR109A (HCAR2 Products)
Background:	NIACR1 acts as a high affinity receptor for both nicotinic acid (also known as niacin) and (D)-

Target Details

beta-hydroxybutyrate and mediates increased adiponectin secretion and decreased lipolysis through G(i)-protein-mediated inhibition of adenylyl cyclase. This pharmacological effect requires nicotinic acid doses that are much higher than those provided by a normal diet. Mediates nicotinic acid-induced apoptosis in mature neutrophils. Receptor activation by nicotinic acid results in reduced cAMP levels which may affect activity of cAMP-dependent protein kinase A and phosphorylation of target proteins, leading to neutrophil apoptosis. The rank order of potency for the displacement of nicotinic acid binding is 5-methyl pyrazole-3-carboxylic acid = pyridine-3-acetic acid > acifran > 5-methyl nicotinic acid = acipimox >> nicotinuric acid = nicotinamide
Synonyms: G-protein coupled receptor 109A, G-protein coupled receptor HM74A, HM74A, NIACR1, Niacin receptor 1, Nicotinic acid receptor, PUMA-G, Pumag

Molecular Weight: 41850 Da

Gene ID: 338442

NCBI Accession: [NP_808219](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 0.25 mg/mL

Buffer: PBS containing 0.09 % (W/V) Sodium Azide as preservative

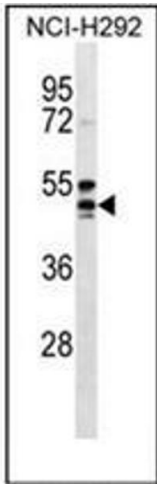
Preservative: Sodium azide

Precaution of Use: This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeated freezing and thawing.

Storage: 4 °C/-20 °C

Storage Comment: Store undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



Western Blotting

Image 1. Western blot analysis of GPR109A Antibody (Center) in NCI-H292 cell line lysates (35ug/lane).