

Datasheet for ABIN656596
anti-HCAR2 antibody (AA 200-228)[Go to Product page](#)

1 Image

Overview

Quantity:	400 µL
Target:	HCAR2
Binding Specificity:	AA 200-228
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HCAR2 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	This NIACR1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 200-228 amino acids of human NIACR1.
Clone:	RB31358
Isotype:	IgG
Predicted Reactivity:	M
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	HCAR2
Alternative Name:	NIACR1 (HCAR2 Products)

Target Details

Background: NIACR1 acts as a high affinity receptor for both nicotinic acid (also known as niacin) and (D)-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.

Molecular Weight: 41850

Gene ID: 338442

NCBI Accession: [NP_808219](#)

UniProt: [Q8TDS4](#)

Application Details

Application Notes: WB: 1:1000

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

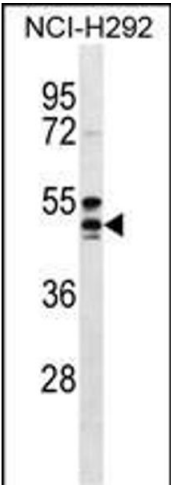
Preservative: Sodium azide

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

Storage: 4 °C, -20 °C

Storage Comment: NIACR1 Antibody (Center) can be refrigerated at 2-8 °C for up to 6 months. For long term storage, place the at -20 °C.

Expiry Date: 6 months



Western Blotting

Image 1. NIACR1 Antibody (Center) (ABIN656596 and ABIN2845857) western blot analysis in NCI- cell line lysates (35 µg/lane). This demonstrates the NIACR1 antibody detected the NIACR1 protein (arrow).