

Datasheet for ABIN5536145
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 from the Central region of human NIACR1.
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	HCAR2
Alternative Name:	NIACR1 (HCAR2 Products)
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

Target Details

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:	42 kDa
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Gene ID:	338442
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UniProt:	Q8TDS4
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Application Details

Application Notes:	For WB starting dilution is: 1:1000
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Restrictions:	For Research Use only
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Handling

Format:	Liquid
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Concentration:	0.5 mg/mL
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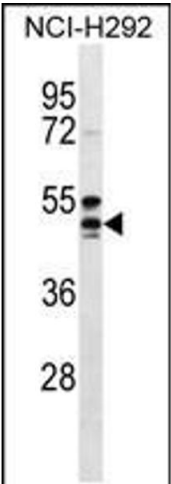
Buffer:	Supplied in PBS with 0.09 % (W/V) sodium azide.
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Preservative:	Sodium azide
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Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
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Storage:	4 °C,-20 °C
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Storage Comment:	Store at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
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Western Blotting

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