

Datasheet for ABIN2789654
anti-HCAR2 antibody (C-Term)[Go to Product page](#)

1 Image

Overview

Quantity:	100 µL
Target:	HCAR2
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat, Cow, Guinea Pig, Rabbit
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HCAR2 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Sequence:	YYFSSPSFPN FFSTLINRCL QRKMTGEPDN NRSTSVELTG DPNKTRGAPE
Predicted Reactivity:	Cow: 91%, Guinea Pig: 92%, Human: 100%, Mouse: 100%, Rabbit: 92%, Rat: 100%
Characteristics:	This is a rabbit polyclonal antibody against HCAR2. It was validated on Western Blot.
Purification:	Affinity Purified

Target Details

Target:	HCAR2
Alternative Name:	HCAR2 (HCAR2 Products)
Background:	HCAR2 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

Target Details

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.

Alias Symbols: HM74a, HM74b, NIACR1, PUMAG, Puma-g

Protein Size: 363

Molecular Weight: 42 kDa

Gene ID: 338442

NCBI Accession: [NM_177551](#), [NP_808219](#)

UniProt: [Q8TDS4](#)

Application Details

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

Comment: Antigen size: 363 AA

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: Lot specific

Buffer: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.

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 freeze-thaw cycles.

Storage: -20 °C

Handling

Storage Comment: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images

