

Datasheet for ABIN651298

anti-Adiponectin Receptor 2 antibody (AA 45-72)

6 Images

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Overview

Quantity:	400 µL
Target:	Adiponectin Receptor 2 (ADIPOR2)
Binding Specificity:	AA 45-72
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunofluorescence (IF)

Product Details

Immunogen:	This ADIPOR2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 45-72 amino acids from the Central region of human ADIPOR2.
Clone:	RB23213
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	Adiponectin Receptor 2 (ADIPOR2)
Alternative Name:	ADIPOR2 (ADIPOR2 Products)
Background:	The adiponectin receptors, ADIPOR1 (MIM 607945) and ADIPOR2, serve as receptors for globular and full-length adiponectin (MIM 605441) and mediate increased AMPK (see MIM 602739) and PPAR-alpha (PPARA, MIM 170998) ligand activities, as well as fatty acid oxidation

Target Details

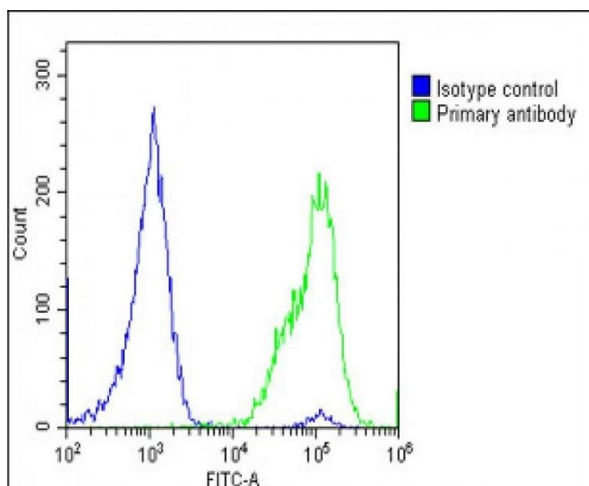
	and glucose uptake by adiponectin.
Molecular Weight:	43884
Gene ID:	79602
NCBI Accession:	NP_078827
UniProt:	Q86V24
Pathways:	AMPK Signaling

Application Details

Application Notes:	IF: 1:10~50. WB: 1:1000. WB: 1:2000. WB: 1:1000. WB: 1:1000. FC: 1:25
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:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months



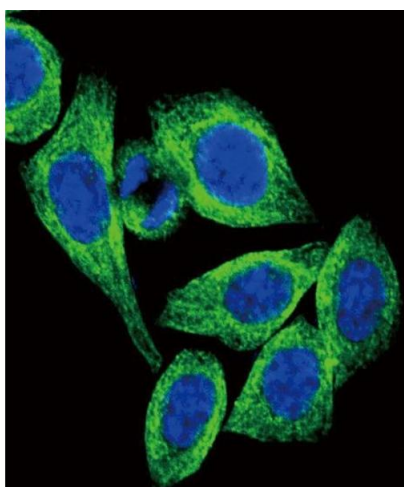
Flow Cytometry

Image 1. Overlay histogram showing U-2 OS cells stained with (ABIN651298 and ABIN2840176) (green line). The cells were fixed with 2 % paraformaldehyde (10 min) and then permeabilized with 90 % methanol for 10 min. The cells were then incubated in 2 % bovine serum albumin to block non-specific protein-protein interactions followed by the antibody ((ABIN651298 and ABIN2840176), 1:25 dilution) for 60 min at 37 °C. The secondary antibody used was Goat-Anti-Rabbit IgG, DyLight® 488 Conjugated Highly Cross-Adsorbed(OE188374) at 1/200 dilution for 40 min at 37 °C. Isotype control antibody (blue line) was rabbit IgG1 (1 µg/1x10⁶ cells) used under the same conditions. Acquisition of >10,000 events was performed.



Western Blotting

Image 2. Western blot analysis of ADIPOR2 Antibody (Center) (ABIN651298 and ABIN2840176) in HeLa cell line lysates (35 µg/lane). ADIPOR2 (arrow) was detected using the purified Pab.



Immunofluorescence

Image 3. Confocal immunofluorescent analysis of ADIPOR2 Antibody (Center) (ABIN651298 and ABIN2840176) with HeLa cell followed by Alexa Fluor 489-conjugated goat anti-rabbit IgG (green). DAPI was used to stain the cell nuclear (blue).

Please check the [product details page](#) for more images. Overall 6 images are available for ABIN651298.