

## Basic Information

<b>Product Name</b>	Anti-ADIPOR1 Antibody
<b>Gene Name</b>	ADIPOR1
<b>Source</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG
<b>Species Reactivity</b>	human, mouse, rat
<b>Tested Application</b>	WB, ICC/IF
<b>Contents</b>	500 ug/ml antibody with PBS, 0.02% NaN <sub>3</sub> , 1 mg/ml BSA and 50% glycerol.
<b>Immunogen</b>	A synthetic peptide corresponding to a sequence at the N-terminus of human ADIPOR1 different from the related mouse sequence by two amino acids.
<b>Concentration</b>	500 ug/ml
<b>Purification</b>	Immunogen affinity purified.
<b>Observed MW</b>	43 kDa
<b>Dilution Ratios</b>	Western blot (WB): 1:500-2000 Immunocytochemistry/Immunofluorescence (ICC/IF):1:50-400

## Storage

12 months from date of receipt, -20°C as supplied.

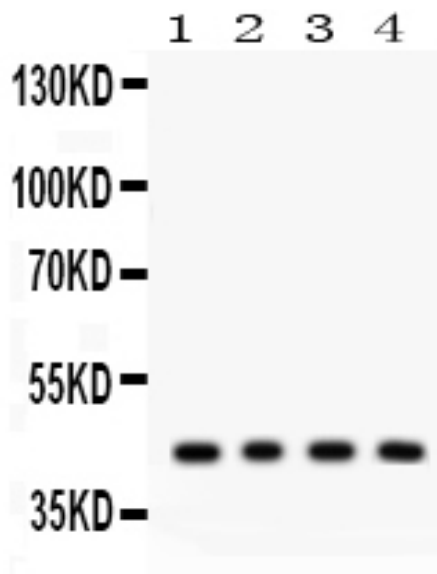
## Background Information

ADIPOR1 is known as Adiponectin receptor protein 1. This gene encodes a protein which acts as a receptor for adiponectin, a hormone secreted by adipocytes which regulates fatty acid catabolism and glucose levels. Binding of adiponectin to the encoded protein results in activation of an AMP-activated kinase signaling pathway which affects levels of fatty acid oxidation and insulin sensitivity. A pseudogene of this gene is located on chromosome 14. Multiple alternatively spliced transcript variants have been found for this gene.

## Reference

Anti-ADIPOR1 Antibody被引用在1文献中。

## Selected Validation Data



Western blot analysis of ADIPOR1 using anti-ADIPOR1 antibody (PB0384).

The sample well of each lane was loaded with 30 ug of sample under reducing conditions.

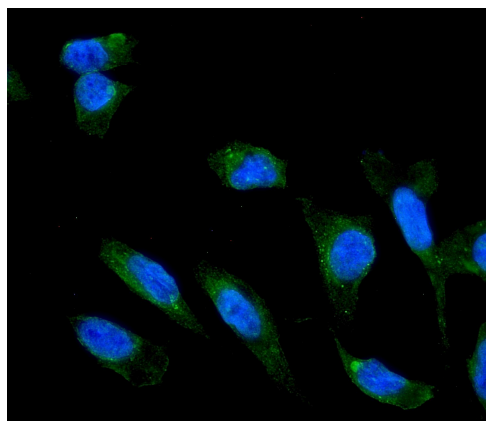
Lane 1: Rat Thymus tissue lysates,

Lane 2: Rat Testis tissue lysates,

Lane 3: MCF-7 whole cell lysates,

Lane 4: A549 whole cell lysates.

After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-ADIPOR1 antigen affinity purified polyclonal antibody (PB0384) at a dilution of 1:1000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for ADIPOR1 at approximately 43 kDa. The expected band size for ADIPOR1 is at 43 kDa.



IF analysis of ADIPOR1 using anti-ADIPOR1 antibody (PB0384).

ADIPOR1 was detected in an immunocytochemical section of U2OS cells.

The section was incubated with rabbit anti-ADIPOR1 Antibody (PB0384) at a dilution of 1:100. DyLight®488 Conjugated Goat Anti-Rabbit IgG (Green) (Catalog # BA1127) was used as secondary antibody. The section was counterstained with DAPI (Catalog # AR1176) (Blue).