

## ARG57973 anti-AdipoR1 antibody

Package: 50 µg  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes AdipoR1
Tested Reactivity	Hu, Rat
Tested Application	ICC/IF, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	AdipoR1
Species	Human
Immunogen	Synthetic peptide from Human AdipoR1. (EQTCPVPQEEEEVRVLTPLQAHAME)
Conjugation	Un-conjugated
Alternate Names	CGI45; PAQR1; ACDCR1; Adiponectin receptor protein 1; TESBP1A; CGI-45; Progestin and adipoQ receptor family member I

### Application Instructions

Application table	Application	Dilution
	ICC/IF	2 - 4 µg/ml
	WB	0.1 - 0.5 µg/ml
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Observed Size	~ 43 kDa	

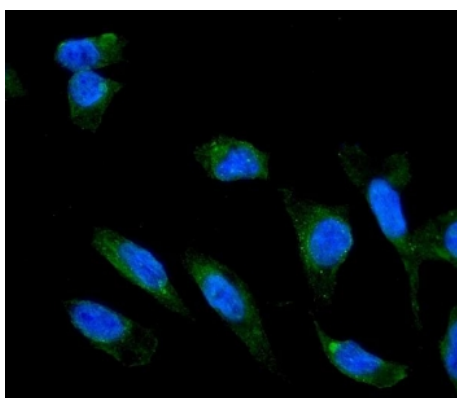
### Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS, 0.025% Sodium azide and 2.5% BSA.
Preservative	0.025% Sodium azide
Stabilizer	2.5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

## Bioinformation

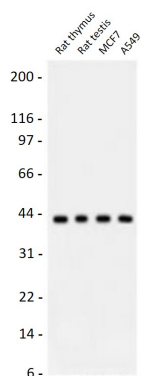
Gene Symbol	ADIPOR1
Gene Full Name	adiponectin receptor 1
Background	This gene encodes a protein which acts as a receptor for adiponectin, a hormone secreted by adipocytes which regulates fatty acid catabolism and glucose levels. Binding of adiponectin to the encoded protein results in activation of 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. [provided by RefSeq, Mar 2014]
Function	Receptor for ADIPOQ, an essential hormone secreted by adipocytes that regulates glucose and lipid metabolism. Required for normal glucose and fat homeostasis and for maintaining a normal body weight. ADIPOQ-binding activates a signaling cascade that leads to increased AMPK activity, and ultimately to increased fatty acid oxidation, increased glucose uptake and decreased gluconeogenesis. Has high affinity for globular adiponectin and low affinity for full-length adiponectin (By similarity). [UniProt]
Calculated Mw	43 kDa

## Images



ARG57973 anti-AdipoR1 antibody ICC/IF image

Immunofluorescence: U-2 OS cells stained with ARG57973 anti-AdipoR1 antibody (green). DAPI (blue) for nuclear staining.



ARG57973 anti-AdipoR1 antibody WB image

Western blot: Rat thymus, Rat testis, MCF7 and A549 lysates stained with ARG57973 anti-AdipoR1 antibody.