

Datasheet for ABIN670836

**anti-Adiponectin Receptor 1 antibody (AA 241-270)**

3 Images

12 Publications

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## Overview

Quantity:	100 µL
Target:	Adiponectin Receptor 1 (ADIPOR1)
Binding Specificity:	AA 241-270
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Adiponectin Receptor 1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunohistochemistry (Frozen Sections) (IHC (fro))

## Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human Adiponectin Receptor 1
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Predicted Reactivity:	Dog,Rabbit
Purification:	Purified by Protein A.

## Target Details

Target:	Adiponectin Receptor 1 (ADIPOR1)
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## Target Details

Alternative Name:	Adiponectin Receptor 1 ( <a href="#">ADIPOR1 Products</a> )
Background:	<p>Synonyms: CGI45, PAQR1, ACDCR1, CGI-45, TESBP1A, Adiponectin receptor protein 1, Progestin and adipoQ receptor family member I, ADIPOR1</p> <p>Background: Receptor for globular and full-length adiponectin (APM1), an essential hormone secreted by adipocytes that acts as an antidiabetic. Probably involved in metabolic pathways that regulate lipid metabolism such as fatty acid oxidation. Mediates increased AMPK, PPARA ligand activity, fatty acid oxidation and glucose uptake by adiponectin. Has some high-affinity receptor for globular adiponectin but low-affinity receptor for full-length adiponectin.</p>
Gene ID:	51094
UniProt:	<a href="#">Q96A54</a>
Pathways:	<a href="#">AMPK Signaling</a>

## Application Details

Application Notes:	WB 1:300-5000 ELISA 1:500-1000 IHC-P 1:200-400 IHC-F 1:100-500 IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

## Handling

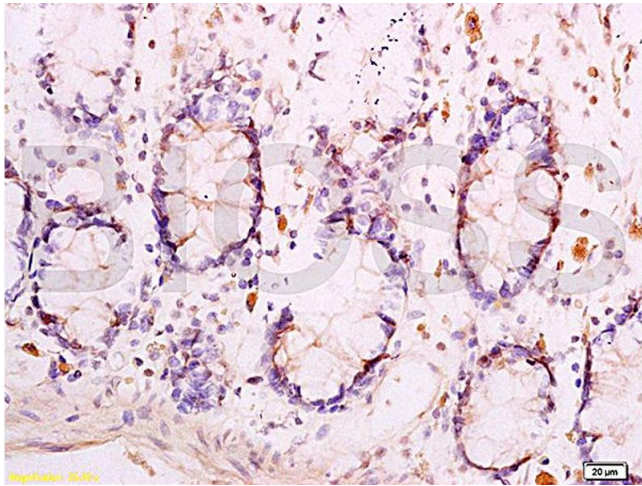
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Expiry Date: 12 months

## Publications

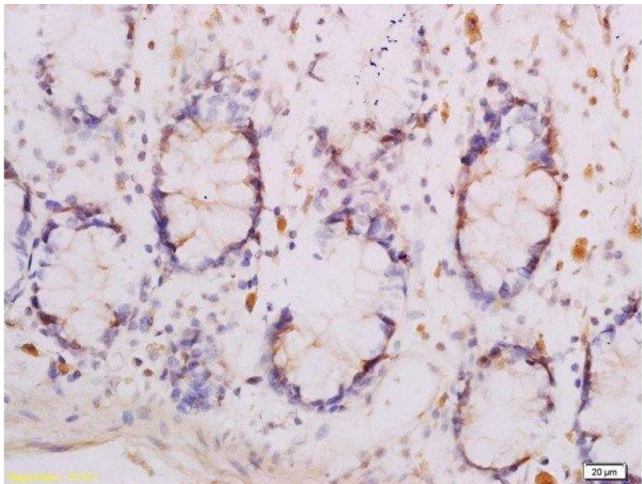
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- Product cited in:
- Wang, Gao, Lau, Wang, Liu, Li, Wang, Yuan, Koch, Ma: "G-protein-coupled receptor kinase 2-mediated desensitization of adiponectin receptor 1 in failing heart." in: **Circulation**, Vol. 131, Issue 16, pp. 1392-404, (2015) ([PubMed](#)).
- Wu, Chio, Tsai, Chang, Lin, Huang, Lin: "Obesity Exacerbates Rat Cerebral Ischemic Injury through Enhancing Ischemic Adiponectin-Containing Neuronal Apoptosis." in: **Molecular neurobiology**, (2015) ([PubMed](#)).
- Cao, Li, Luo, Li, Liu, Gao, Yin, Luan: "Molecular cloning and expression analysis of adiponectin and its receptors (AdipoR1 and AdipoR2) in the hypothalamus of the Huoyan goose during different stages of the egg-laying cycle." in: **Reproductive biology and endocrinology : RB&E**, Vol. 13, pp. 87, (2015) ([PubMed](#)).
- Liu, Liang, Lau, Wang, Zhao, Li, Wang, Yuan, Lopez, Christopher, Xiao, Ma, Wang: "High glucose/High Lipids impair vascular adiponectin function via inhibition of caveolin-1/AdipoR1 signalsome formation." in: **Free radical biology & medicine**, Vol. 89, pp. 473-485, (2015) ([PubMed](#)).
- Guo, Qi, Yu, Du, Wu, Liu: "Effect of exenatide on the cardiac expression of adiponectin receptor 1 and NADPH oxidase subunits and heart function in streptozotocin-induced diabetic rats." in: **Diabetology & metabolic syndrome**, Vol. 6, Issue 1, pp. 29, (2014) ([PubMed](#)).
- There are more publications referencing this product on: [Product page](#)



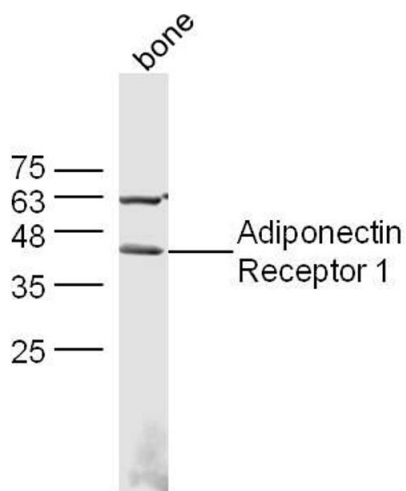
### Immunohistochemistry

**Image 1.** Formalin-fixed and paraffin embedded human rectal tissue labeled with Anti-Adiponectin Receptor 1 Polyclonal Antibody (ABIN670836), Unconjugated at 1:300, followed by conjugation to the secondary antibody and DAB staining



### Immunohistochemistry (Paraffin-embedded Sections)

**Image 2.** Formalin-fixed and paraffin embedded human rectal tissue labeled with Anti-Adiponectin Receptor 1 Polyclonal Antibody, Unconjugated at 1:300, followed by conjugation to the secondary antibody and DAB staining



**Image 3.** Mouse bone lysates probed with Adiponectin Receptor 1 Polyclonal Antibody, Unconjugated at 1:300 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at 1:10000 for 60 min at 37°C.