Datasheet for ABIN670851

anti-Adiponectin Receptor 2 antibody (AA 315-340)

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Overview

Quantity:	100 µL
Target:	Adiponectin Receptor 2 (ADIPOR2)
Binding Specificity:	AA 315-340
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Adiponectin Receptor 2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human Adiponectin receptor 2
Isotype:	IgG
Specificity:	This antibody may cross react with Adiponectin receptor 1 due to sequence similarity.
Cross-Reactivity:	Human, Mouse, Rat
Predicted Reactivity:	Dog,Pig
Purification:	Purified by Protein A.

Target Details

Target:	Adiponectin Receptor 2 (ADIPOR2)
Alternative Name:	Adiponectin receptor 2 (ADIPOR2 Products)
Background:	Synonyms: PAQR2, ACDCR2, Adiponectin receptor protein 2, Progestin and adipoQ receptor family member II, ADIPOR2 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 intermediate-affinity receptor activity for both globular and full-length adiponectin.
Gene ID:	79602
UniProt:	Q86V24
Pathways:	AMPK Signaling

Application Details

Application Notes:	WB 1:300-5000
	ELISA 1:500-1000
	FCM 1:20-100
	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.

Handling

Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

Publications

Product cited in:

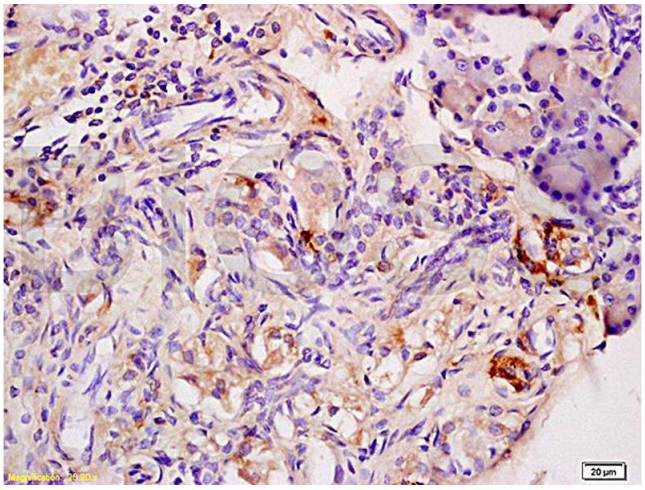
Morad, Abrahamsson, Dabrosin: "Estradiol affects extracellular leptin:adiponectin ratio in human breast tissue in vivo." in: **The Journal of clinical endocrinology and metabolism**, Vol. 99 , Issue 9, pp. 3460-7, (2014) (PubMed).

Ji, Wu, Ma, Ma, Qin: "The effect of resveratrol on the expression of AdipoR1 in kidneys of diabetic nephropathy." in: **Molecular biology reports**, Vol. 41, Issue 4, pp. 2151-9, (2014) (PubMed).

Guo, Qin, Zhang, Li, Yin: "Effect of rosiglitazone on the expression of cardiac adiponectin receptors and NADPH oxidase in type 2 diabetic rats." in: **European journal of pharmacology**, Vol. 685, Issue 1-3, pp. 116-25, (2012) (PubMed).

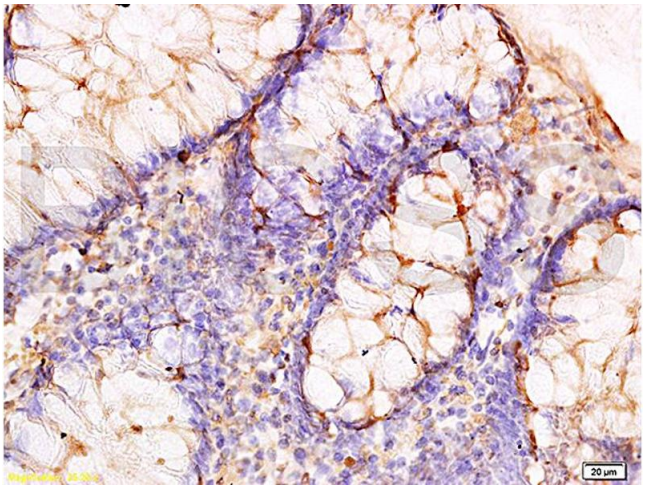
Liu, Wu, Zhang, Chen, Liu, Wu, Zhu: "The ameliorating effect of rosiglitazone on experimental nonalcoholic steatohepatitis is associated with regulating adiponectin receptor expression in rats." in: **European journal of pharmacology**, Vol. 650, Issue 1, pp. 384-9, (2010) (PubMed).

Images



Immunohistochemistry

Image 1. Formalin-fixed and paraffin embedded rat pancreas labeled with Anti-Adiponectin Receptor 2 Polyclonal Antibody, Unconjugated (ABIN670851) at 1:200, followed by conjugation to the secondary antibody and DAB staining



Immunohistochemistry

Image 2. Formalin-fixed and paraffin embedded human rectal tissue labeled with Anti-Adiponectin Receptor 2 Polyclonal Antibody, Unconjugated (ABIN670851) at 1:300, followed by conjugation to the secondary antibody and DAB staining