



Rabbit Anti-Adiponectin receptor 2 antibody

SL0611R

Product Name:	Adiponectin receptor 2
Chinese Name:	脂联素受体2抗体
Alias:	Adipo R2; Progestin and adipoQ receptor family member II; Adipor2; PAQR2; ADR2_HUMAN.
文献引用 PubMed :	<p>Specific References(4) SL0611R has been referenced in 4 publications.</p> <p>[IF=2.59]Liu, Su, et al. "The ameliorating effect of rosiglitazone on experimental nonalcoholic steatohepatitis is associated with regulating adiponectin receptor expression in rats." European journal of pharmacology 650.1 (2011): 384.WB;Rat. PubMed:20965162</p> <p>[IF=2.51]Ji, Hongfei, et al. "The effect of resveratrol on the expression of AdipoR1 in kidneys of diabetic nephropathy." Molecular Biology Reports: 1-9.IHC-P;Rat. PubMed:24413998</p> <p>[IF=6.43]Morad, Vivian, Annelie Abrahamsson, and Charlotta Dabrosin. "Estradiol affects extracellular leptin: adiponectin ratio in human breast tissue in vivo." The Journal of Clinical Endocrinology & Metabolism (2014).IHC-P;Human. PubMed:24796929</p> <p>[IF=3.54]Hsu, Ying-Jung, et al. "Effects of Fenofibrate on Adiponectin Expression in Retinas of Streptozotocin-Induced Diabetic Rats." Journal of diabetes research 2014 (2014).WB; PubMed:25525608</p>
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,

Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800Flow-Cyt=1µg/testIF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	44kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human Adiponectin receptor 2:315-340/386
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	<p>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 and glucose uptake by adiponectin (Yamauchi et al., 2003 [PubMed 12802337]).[supplied by OMIM, Mar 2008]</p> <p>Function: 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.</p> <p>Subunit: May form homo and heteromultimers.</p> <p>Subcellular Location: Membrane; Multi-pass membrane protein. Note=Localized to the cell membrane and intracellular organelles.</p> <p>Tissue Specificity: Highly expressed in skeletal muscle, liver and placenta. Weakly expressed in brain, heart, colon, spleen, kidney, thymus, small intestine, peripheral blood leukocytes and lung.</p> <p>Similarity: Belongs to the ADIPOR family.</p>

SWISS:
Q86V24

Gene ID:
79602

Database links:

[Entrez Gene: 79602](#)Human

[Entrez Gene: 68465](#)Mouse

[Entrez Gene: 404694](#)Pig

[Entrez Gene: 312670](#)Rat

[Olim: 607946](#)Human

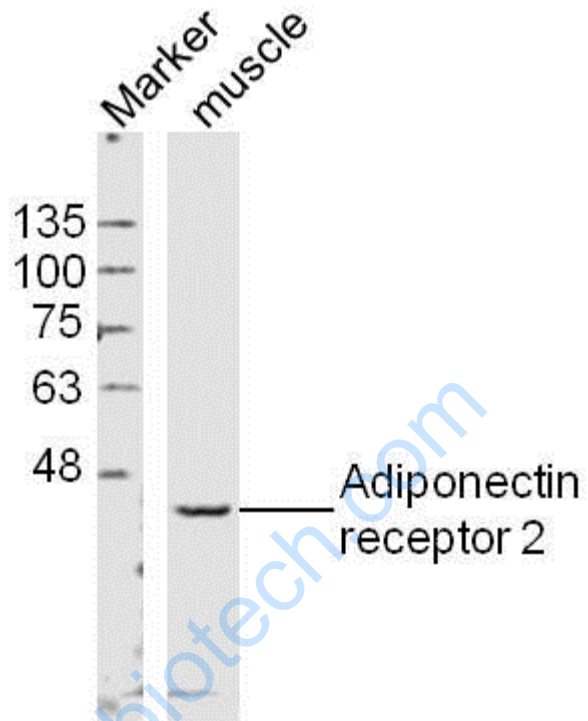
[SwissProt: Q86V24](#)Human

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

脂联素与受体结合后具有增强胰岛素敏感性, 抗高血糖, 抗动脉粥样硬化等生物学效应, 任何增加或减少脂联素及其受体表达的方法都影响这些疾病的发生和发展。脂联素受体(AdipoR1和AdipoR2)同属于PAQR家族, 具有七次Transmembrane protein的特有结构。

Picture:



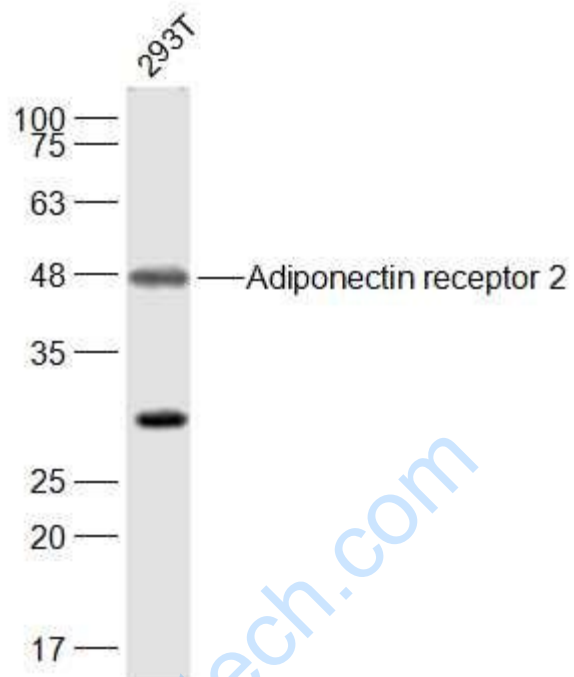
Sample: Muscle (Mouse) Lysate at 40 ug

Primary: Anti- Adiponectin Receptor 2 (SL0611R) at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 44 kD

Observed band size: 44 kD



Sample:

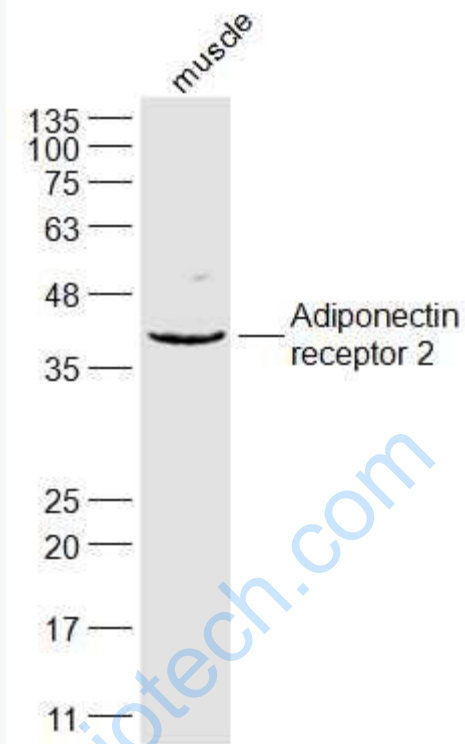
293T(Human) Cell Lysate at 30 ug

Primary: Anti-Adiponectin receptor 2 (SL0611R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 44 kD

Observed band size: 48 kD



Sample:

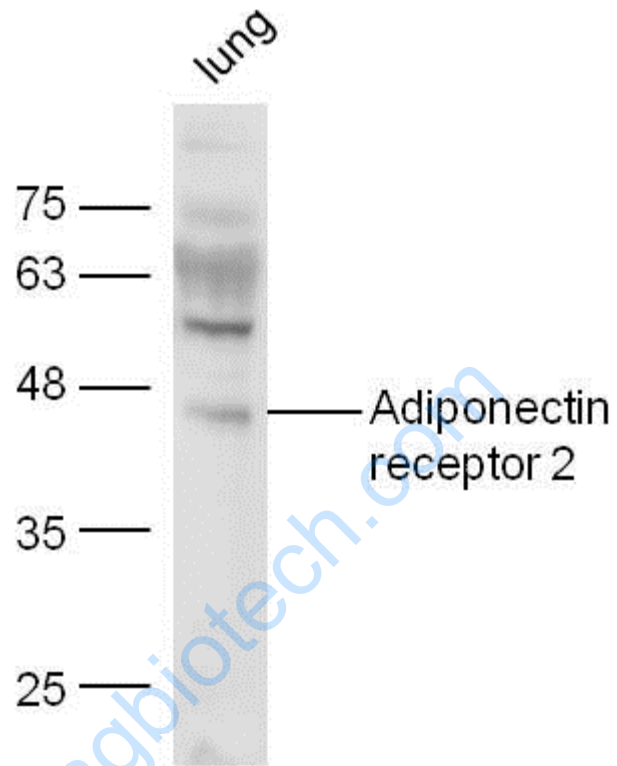
muscle (Mouse) Lysate at 40 ug

Primary: Anti-Adiponectin receptor 2 (SL0611R) at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 44 kD

Observed band size: 44 kD



Sample:

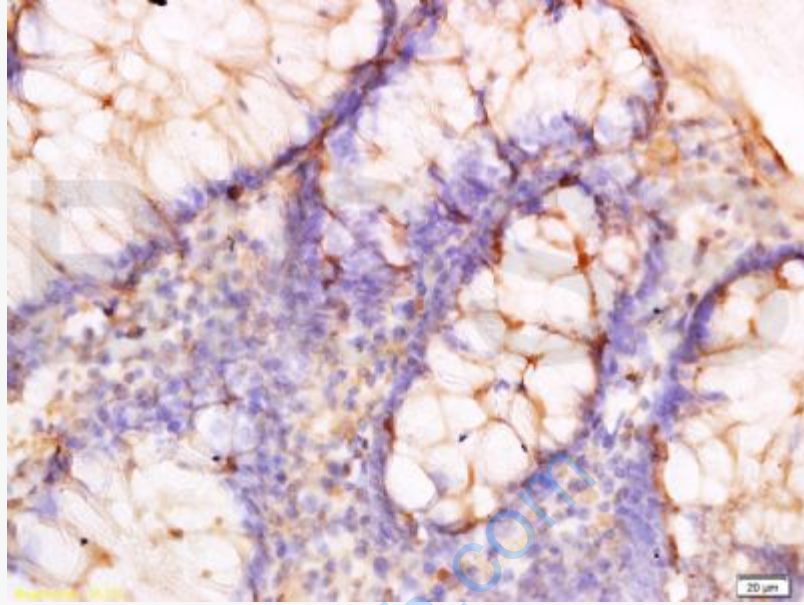
Lung (Mouse) Lysate at 40 ug

Primary: Anti-Adiponectin receptor 2 (SL0611R) at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 44 kD

Observed band size: 46 kD

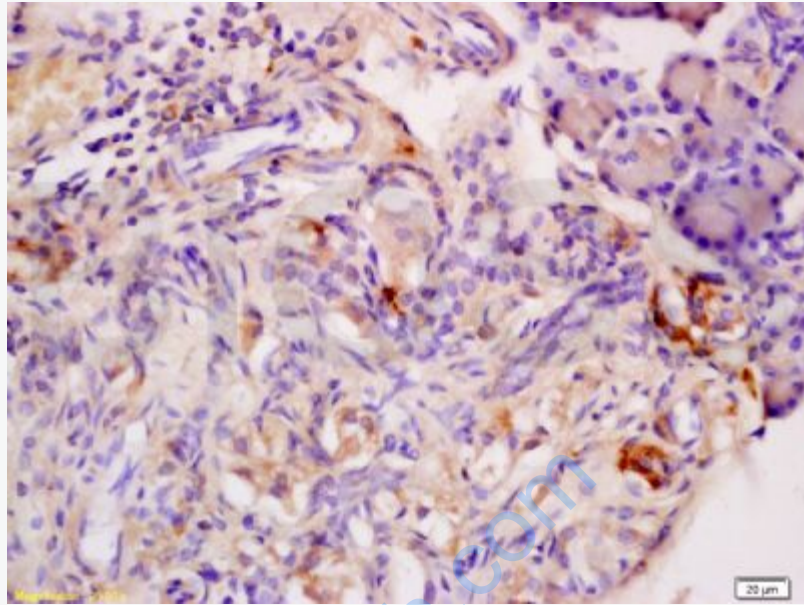


Tissue/cell: human rectal tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;

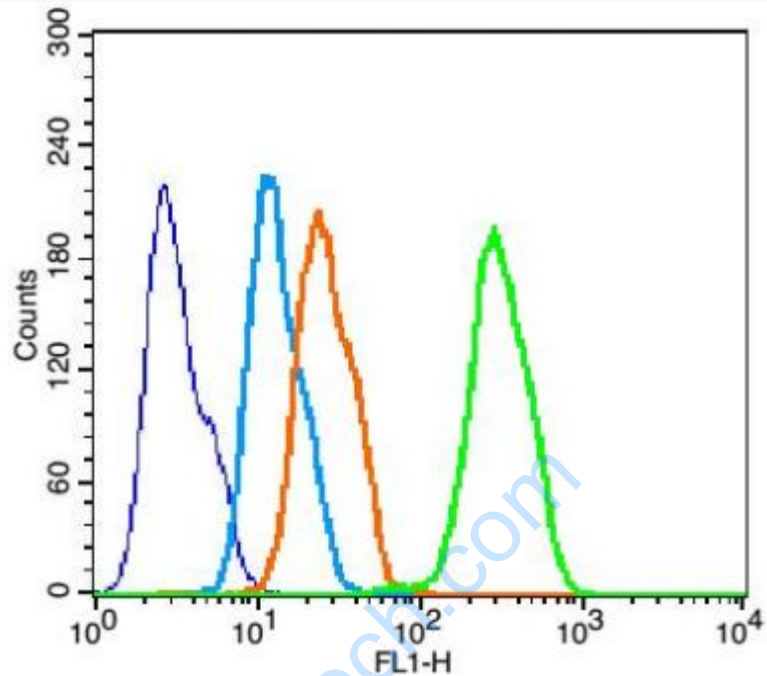
Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;

Incubation: Anti-Adiponectin Receptor 2 Polyclonal Antibody,

Unconjugated(SL0611R) 1:300, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Tissue/cell: rat pancreas tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;
Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;
Incubation: Anti-Adiponectin Receptor 2 Polyclonal Antibody, Unconjugated(SL0611R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Blank control: HepG2(blue).

Primary Antibody:Rabbit Anti-Adiponectin receptor 2 antibody (SL0611R);

Dilution: 1µg in 100 µL 1X PBS containing 0.5% BSA;

Isotype Control Antibody: Rabbit IgG(orange) ,used under the same conditions;

Secondary Antibody: Goat anti-rabbit IgG-FITC(white blue), Dilution: 1:200 in 1 X PBS containing 0.5% BSA.

Protocol

The cells were fixed with 2% paraformaldehyde for 10 min at 37°C. Primary antibody (SL0611R) were incubated for 30 min at room temperature, followed by 1 X PBS containing 0.5% BSA + 1 0% goat serum (15 min) to block non-specific protein-protein interactions. Then the Goat Anti-rabbit IgG/FITC antibody was added into the blocking buffer mentioned above to react with the primary antibody at 1/200 dilution for 40 min at room temperature. Acquisition of 20,000 events was

	performed.
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