


Rabbit Anti-Adiponectin Receptor 1 antibody

SL0610R

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| Product Name: | Adiponectin Receptor 1 |
| Chinese Name: | 脂联素受体1抗体 |
| Alias: | ACDCR1; ADIPO R1; Adiponectin receptor protein 1; ADIPOR 1; ADIPOR1; CGI-45; CGI-45 protein;FLJ25385; PAQR1; Progestin and adipoQ receptor family member I; TESBP1A; ADR1 HUMAN. |
| 文献引用  | <p>Specific References(9) SL0610R has been referenced in 9 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=1.92]Guo, Zhixin, et al. "Effect of exenatide on the cardiac expression of adiponectin receptor 1 and NADPH oxidase subunits and heart function in streptozotocin-induced diabetic rats." Diabetology & Metabolic Syndrome 6.1 (2014): 29.IHC-P;Rat. PubMed:24576329</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> |

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| | <p>[IF=11.09]Wang, Yajing, et al. "GRK2-Mediated Desensitization of AdipoR1 in Failing Heart." <i>Circulation</i> (2015): CIRCULATIONAHA-114.IP;Mouse. PubMed:25696921</p> <p>[IF=5.14]Wu, Ming-Hsiu, et al. "Obesity Exacerbates Rat Cerebral Ischemic Injury through Enhancing Ischemic Adiponectin-Containing Neuronal Apoptosis." <i>Molecular Neurobiology</i> (2015): 1-12.WB;Rat. PubMed:26126515</p> <p>[IF=2.23]Cao, Zhongzan, et al. "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." <i>Reproductive Biology and Endocrinology</i> 13.1 (2015): 87.WB; PubMed:26251033</p> <p>[IF=5.74]Liu, Gai-Zhen, et al. "High glucose/High Lipids impair vascular adiponectin function via inhibition of caveolin-1/AdipoR1 signalsome formation." <i>Free Radical Biology and Medicine</i> (2015).WB;Human. PubMed:26453924</p> <p>[IF=1.28]Li, Jiehua, Shiyue Su, and Xiaona Zong. "Analysis of the association between adiponectin, adiponectin receptor 1 and diabetic cardiomyopathy." <i>Experimental and therapeutic medicine</i> 7.4 (2014): 1023-1027.IHC-P;Rat. PubMed:24669271</p> |
| Organism Species: | Rabbit |
| Clonality: | Polyclonal |
| React Species: | Human, Mouse, Rat, Dog, Rabbit, |
| Applications: | WB=1:500-2000 ELISA=1:500-1000 IHC-P=1:400-800 IHC-F=1:400-800 IF=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: | 42kDa |
| Cellular localization: | The cell membrane |
| Form: | Lyophilized or Liquid |
| Concentration: | 1mg/ml |
| immunogen: | KLH conjugated synthetic peptide derived from human Adiponectin Receptor 1:241-270<Cytoplasmic> |
| 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 |

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| | 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>Acrp30 is a hormone secreted by adipocytes that acts as an antidiabetic and anti-atherogenic adipokine. Levels of adiponectin in the blood are decreased under conditions of obesity, insulin resistance and type 2 diabetes. Administration of adiponectin causes glucose-lowering effects and ameliorates insulin resistance in mice. Conversely, adiponectin-deficient mice exhibit insulin resistance and diabetes. This insulin-sensitizing effect of adiponectin seems to be mediated by an increase in fatty-acid oxidation through activation of AMP kinase and PPAR- . Cloning of complementary DNAs encoding adiponectin receptors 1 and 2 (AdipoR1 and AdipoR2) have shown that AdipoR1 is abundantly expressed in skeletal muscle, whereas AdipoR2 is predominantly expressed in the liver.</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 high-affinity receptor for globular adiponectin but low-affinity receptor for 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: Widely expressed. Highly expressed in skeletal muscle. Expressed at intermediate level in brain, heart, spleen, kidney, liver, placenta, lung and peripheral blood leukocytes. Weakly expressed in colon, thymus and small intestine.</p> <p>Similarity: Belongs to the ADIPOR family.</p> <p>SWISS: Q96A54</p> <p>Gene ID: 51094</p> <p>Database links:</p> |

[Entrez Gene: 51094](#)Human

[Entrez Gene: 72674](#)Mouse

[Entrez Gene: 289036](#)Rat

[Omim: 607945](#)Human

[SwissProt: Q96A54](#)Human

[SwissProt: Q91VH1](#)Mouse

[Unigene: 5298](#)Human

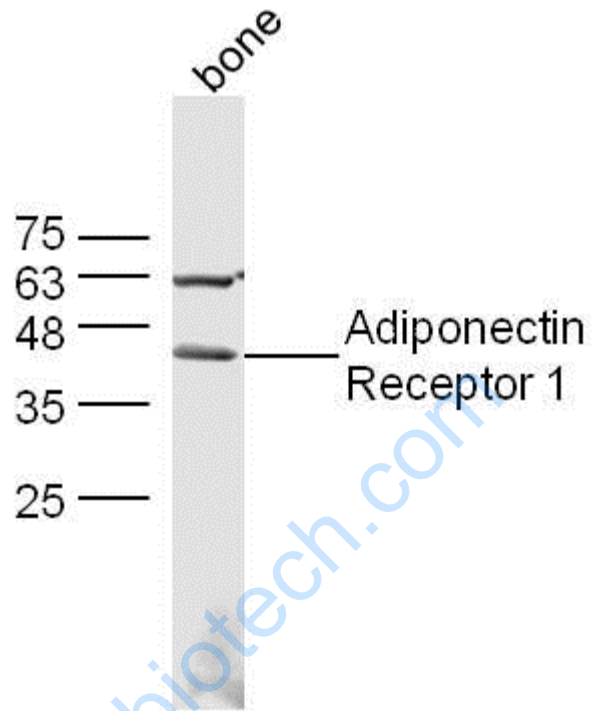
[Unigene: 259976](#)Mouse

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-1(AdipoR1和AdipoR2)同属于PAQR家族, 具有七次Transmembrane protein的特有结构,
mol wt:41kDa

Picture:



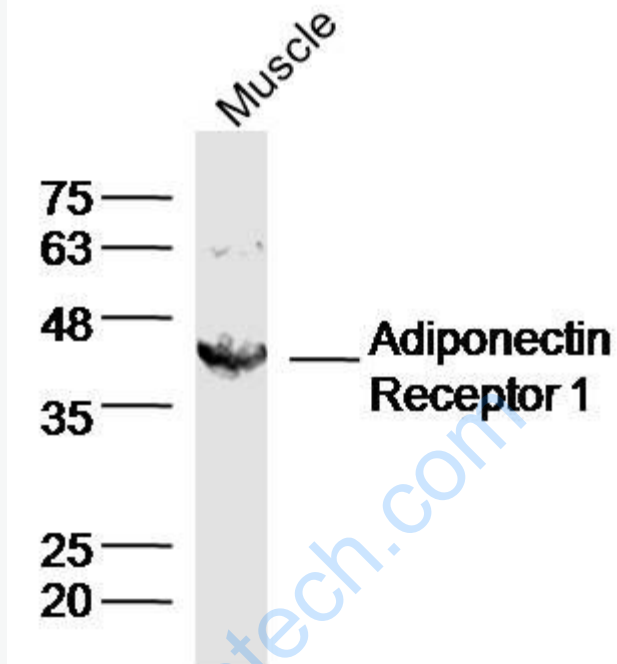
Sample: Muscle(Mouse) Lysate at 40 ug

Primary: Anti- Adiponectin Receptor 1 (SL0610R) at 1/300 dilution

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

Predicted band size: 42 kD

Observed band size: 42 kD



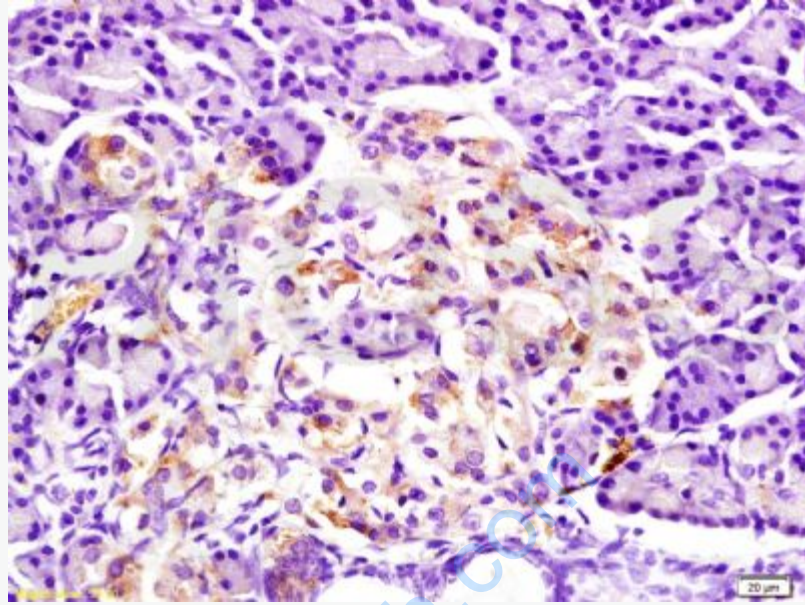
Sample: Muscle(Mouse) Lysate at 40 ug

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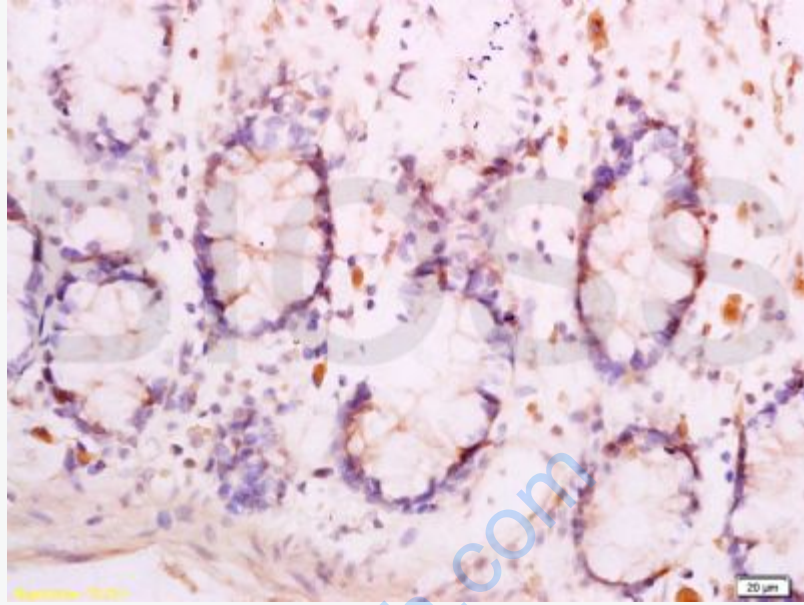
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 42 kD

Observed band size: 42 kD



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 1 Polyclonal Antibody, Unconjugated(SL0610R) 1:300, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



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 1 Polyclonal Antibody,

Unconjugated(SL0610R) 1:300, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining