

Adiponectin receptor 2 Rabbit pAb

Catalog Number: bs-0611R

Target Protein: Adiponectin receptor 2

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: WB (1:500-2000), IHC-P (1:100-500), IHC-F (1:100-500), IF (1:100-500), Flow-Cyt (1µg /test)

Reactivity: Human, Mouse, Rat (predicted:Pig, Chicken, Dog)

Predicted MW: 44 kDa

Entrez Gene: 79602

Swiss Prot: Q86V24

Source: KLH conjugated synthetic peptide derived from human Adiponectin receptor 2: 315-340/386.

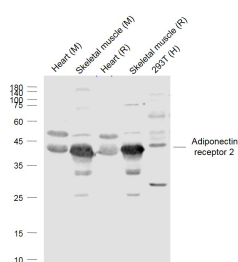
Purification: affinity purified by Protein A

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

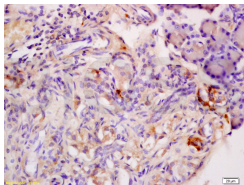
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: 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]

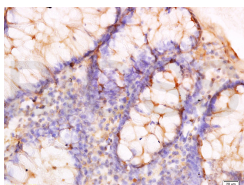
VALIDATION IMAGES



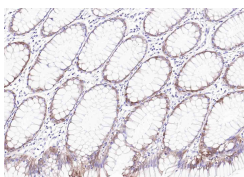
Sample: Lane 1: Heart (Mouse) Lysate at 40 ug Lane 2: Skeletal muscle (Mouse) Lysate at 40 ug Lane 3: Heart (Rat) Lysate at 40 ug Lane 4: Skeletal muscle (Rat) Lysate at 40 ug Lane 5: 293T (Human) Cell Lysate at 30 ug
Primary: Anti-Adiponectin receptor 2 (bs-0611R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 44 kD Observed band size: 43 kD



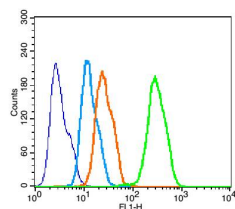
Tissue/cell: rat pancreas tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min; Incubation: Anti-Adiponectin Receptor 2 Polyclonal Antibody, Unconjugated(bs-0611R) 1:200, 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 2 Polyclonal Antibody, Unconjugated(bs-0611R) 1:300, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Paraformaldehyde-fixed, paraffin embedded (human colon); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Adiponectin receptor 2) Polyclonal Antibody, Unconjugated (bs-0611R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Blank control: HepG2(blue). Primary Antibody:Rabbit Anti-Adiponectin receptor 2 antibody (bs-0611R,Green); 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 (bs-0611R, 0.2µg /1x10⁶ cells) 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.

PRODUCT SPECIFIC PUBLICATIONS

[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 ; ="Human" . 24796929

[IF=4.75] Guo et al. Effect of telmisartan on the expression of adiponectin receptors and nicotinamide adenine dinucleotide phosphate oxidase in the heart and aorta in type 2 diabetic rats. (2012) Cardiovasc.Diabetol. 11:94 IHC ; Rat . 22873349

[IF=5.037] Annamária Schaffer. et al. The ontogenies of endometrial and myometrial leptin and adiponectin receptors in pregnant rats: Their putative impact on uterine contractility. Life Sci. 2022 May;297:120465 WB ; Rat . 35271883

[IF=3.776] Guoying Zhu. et al. Celecoxib-mediated attenuation of non-alcoholic steatohepatitis is potentially relevant to redistributing the expression of adiponectin receptors in rats. HELIYON. 2022 Jul;8:e09872 WB ; Rat . 35832345

[IF=4.4] Jerad H. Dumolt. et al. Trophoblast-specific overexpression of adiponectin receptor 2 causes fetal growth restriction in pregnant mice. FASEB J. 2024 Oct;38(19):e70100 WB ; MOUSE . 39387608