

bs-0611R**[Primary Antibody]**

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Adiponectin receptor 2 Rabbit pAb

DATASHEET

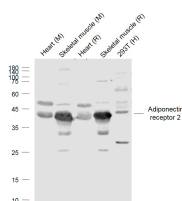
Host: Rabbit**Isotype:** IgG**Clonality:** Polyclonal**GeneID:** 79602**SWISS:** Q86V24**Target:** Adiponectin receptor 2**Immunogen:** KLH conjugated synthetic peptide derived from human Adiponectin receptor 2: 315-340/386.**Purification:** affinity purified by Protein A**Concentration:** 1mg/ml**Storage:** 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.

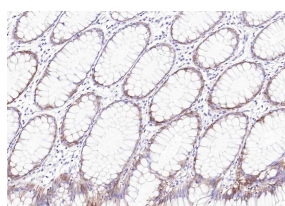
Background: The adiponectin receptors, ADIPOR1 (MIM 607945) and ADIPOR2, serve as receptors for globular and full-length adiponectin (MIM 605441) and mediate increased AMPK (see MIM 602739) and PPAR- α (PPARA; MIM 170998) ligand activities, as well as fatty acid oxidation and glucose uptake by adiponectin (Yamauchi et al., 2003 [PubMed 12802337]).[supplied by OMIM, Mar 2008]

Applications: WB (1:500-2000)**IHC-P** (1:100-500)**IHC-F** (1:100-500)**IF** (1:100-500)**Flow-Cyt** (1 μ g /test)**Reactivity:** Human, Mouse, Rat
(predicted: Pig, Cow, Chicken, Dog)**Predicted MW.:** 44 kDa**Subcellular Location:** Cell membrane

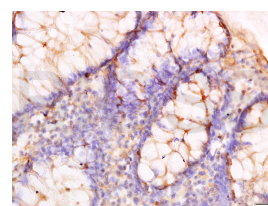
VALIDATION IMAGES



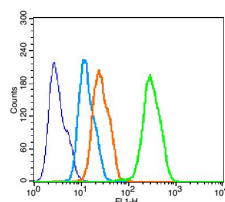
Sample: Lane 1: Heart (Mouse) Lysate at 40 μ g
Lane 2: Skeletal muscle (Mouse) Lysate at 40 μ g
Lane 3: Heart (Rat) Lysate at 40 μ g Lane 4:
Skeletal muscle (Rat) Lysate at 40 μ g Lane 5:
293T (Human) Cell Lysate at 30 μ g Primary: Anti-
Adiponectin receptor 2 (bs-0611R) at 1/1000
dilution Secondary: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



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.



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



Blank control: HepG2(blue). Primary
Antibody: Rabbit Anti-Adiponectin receptor 2
antibody (bs-0611R, Green); Dilution: 1 μ g in 100
 μ L 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

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

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.

— SELECTED CITATIONS —

- **[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=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 ;="". 25525608