

## Product Datasheet

# Adiponectin receptor 2 Rabbit Polyclonal Antibody (orb10047)

<b>Catalog Number</b>	orb10047
<b>Category</b>	Antibodies
<b>Description</b>	Adiponectin receptor 2 Rabbit Polyclonal Antibody
<b>Target</b>	ADIPOR2
<b>Clonality</b>	Polyclonal
<b>Species/Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Conjugation</b>	Unconjugated
<b>Reactivity</b>	Human, Mouse, Rat
<b>Predicted Reactivity</b>	Bovine, Canine, Gallus, Porcine
<b>Form/Appearance</b>	Liquid
<b>Concentration</b>	1mg/ml
<b>Buffer/Preservatives</b>	0.01M TBS (pH7.4) with 1% rAlbumin, 0.02% Proclin300 and 50% Glycerol.
<b>Purification</b>	Affinity purified by Protein A
<b>Immunogen</b>	KLH conjugated synthetic peptide derived from human Adiponectin receptor 2 (315-340/386aa)
<b>UniProt ID</b>	<b>Q86V24</b>

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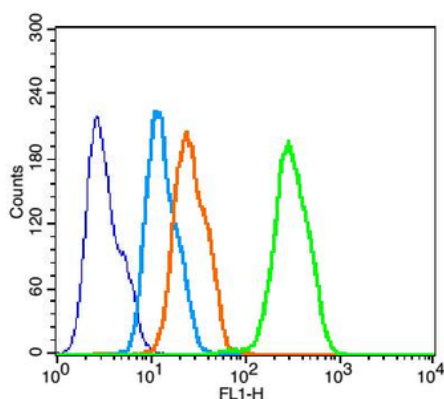
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<b>RRID</b>	AB_10747019
<b>MW</b>	43 kDa
<b>Tested applications</b>	FC, IF, IHC-Fr, IHC-P, WB
<b>Dilution range</b>	WB=1:500-2000, IHC-P=1:100-500, IHC-F=1:100-500, IF=1:100-500, Flow-Cyt=1µg /test
<b>Antibody Type</b>	Primary Antibody
<b>Storage</b>	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
<b>Note</b>	For research use only
<b>Expiration Date</b>	12 months from date of receipt.



Blank control: HepG2 (blue). Primary Antibody: Rabbit Anti-Adiponectin receptor 2 antibody (orb10047, Green), Dilution: 1 µg 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 (orb10047, 0.2 µg/1x10<sup>6</sup> 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 20000 events was performed.

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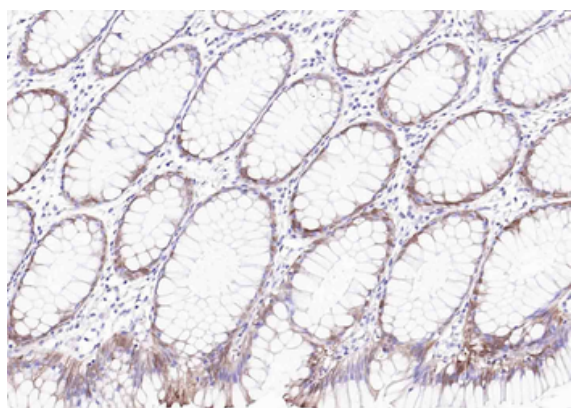
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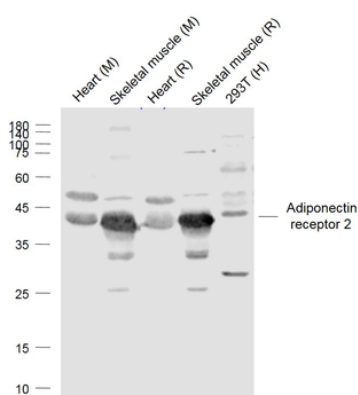
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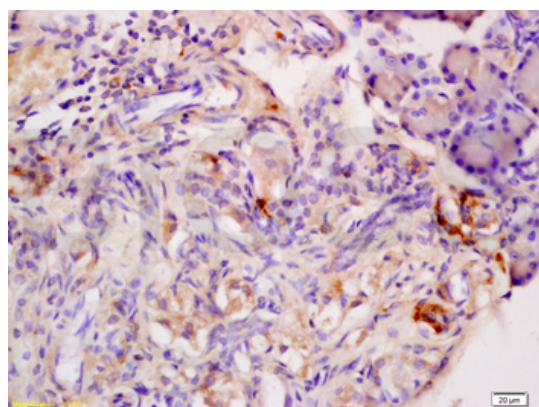
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Paraformaldehyde-fixed, paraffin embedded (human colon), Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min, Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes, Blocking buffer (normal goat serum) at 37°C for 30 min, Antibody incubation with (Adiponectin receptor 2) Polyclonal Antibody, Unconjugated (orb10047) at 1:200 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.



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 (orb10047) 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 15 min, Block endogenous peroxidase by 3% Hydrogen peroxide for 30 min, Blocking buffer (normal goat serum) at 37°C for 20 min, Incubation: Anti-Adiponectin Receptor 2 Polyclonal Antibody, Unconjugated (orb10047) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining.

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