

Anti-ADIPOR2 Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Human, Mouse, Rat (predicted: Chicken, Dog, Pig, Cow)
Molecular Weight:	Theoretical: 44 kDa. Actual: 43 kDa.
Purification:	Protein A purified

Applications

1. Blank control: HepG2 (blue). Primary Antibody: Rabbit Anti-Adiponectin receptor 2 antibody (TMAB-00065, 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 in 1 X PBS containing 0.5% BSA.

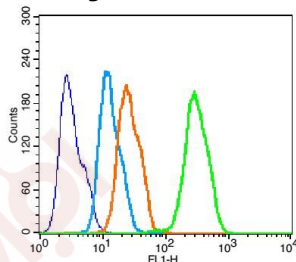
Protocol

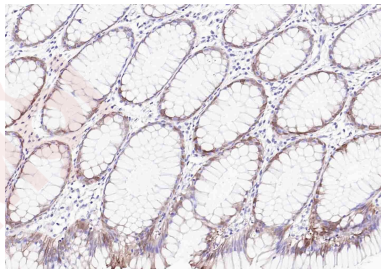
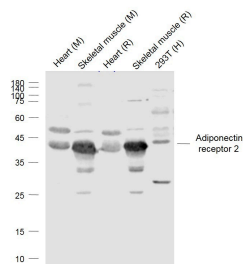
The cells were fixed with 2% paraformaldehyde for 10 min at 37°C. Primary antibody (TMAB-00065, 0.2 μ g/1x10⁶ cells) were incubated for 30 min at room temperature, followed by 1 X PBS containing 0.5% BSA + 10% goat serum (15 min) to block non-specific protein-protein interactions. Then the Goat Anti-rabbit 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.

2. Sample:

Verified Activity:	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 (TMAB-00065) at 1/1000 dilution
	Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
	Predicted band size: 44 kDa
	Observed band size: 43 kDa

3. 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 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (Adiponectin receptor 2) Polyclonal Antibody, Unconjugated (TMAB-00065) at 1:200 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.





Application: FCM,IF,IHC-Fr,IHC-P,WB

Recommended WB: 1:500-2000; IHC-P: 1:100-500; IHC-Fr: 1:100-500; IF: 1:100-500; FCM: 1µg /test

Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: KLH conjugated synthetic peptide: human Adiponectin receptor 2

Antigen Species: Human

Gene ID: 79602

Uniprot ID: Q86V24

Synonyms: PAQR2;Adipor2;Progestin and adipoQ receptor family member II;ADR2;Adipo R2;Adiponectin receptor 2

Biology Area: Lipid metabolism,Energy Metabolism,Hormones,Heart disease,Diabetes,Cancer,Fatty acid oxidation,Lipoprotein metabolism,Fatty acids,Energy Metabolism,Metabolism,Lipoprotein metabolism,Diabetes associated

Research 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]

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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