

## Anti-ADIPOR1 Polyclonal Antibody

### Product Details

Ig Type: IgG  
Reactivity: Human, Mouse, Rat (predicted: Chicken, Dog, Rabbit)  
Molecular Weight: Theoretical: 42 kDa. Actual: 42 kDa.  
Purification: Protein A purified

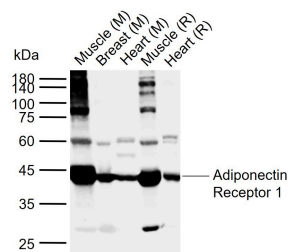
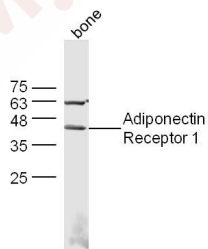
### Applications

1. Sample: Muscle (Mouse) Lysate at 40 µg  
Primary: Anti-Adiponectin Receptor 1 (TMAB-00064) at 1/300 dilution  
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution  
Predicted band size: 42 kDa  
Observed band size: 42 kDa

2. Sample:

Verified Activity:

Lane 1: Mouse Muscle tissue lysates  
Lane 2: Mouse Breast tissue lysates  
Lane 3: Mouse Heart tissue lysates  
Lane 4: Rat Muscle tissue lysates  
Lane 5: Rat Heart tissue lysates  
Primary: Anti-Adiponectin Receptor 1 (TMAB-00064) at 1/1000 dilution  
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution  
Predicted band size: 42 kDa  
Observed band size: 42 kDa



Application:

IF, IHC-Fr, WB

Recommended

WB: 1:500-2000; IHC-Fr: 1:100-500; IF: 1:100-500

## A DRUG SCREENING EXPERT

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### Properties

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

Shipping: Shipping with blue ice.

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### Antigen Details

Immunogen: KLH conjugated synthetic peptide: human Adiponectin Receptor 1

Antigen Species: Human

Gene ID: 51094

Uniprot ID: Q96A54

Synonyms: PAQR1; Progestin and adipoQ receptor family member 1; Adiponectin receptor protein 1; Progestin and adipoQ receptor family member 1; ADIPOR1; TESBP1A

Biology Area: Acrp, Hormones

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### Research Background

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- $\alpha$ . 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.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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