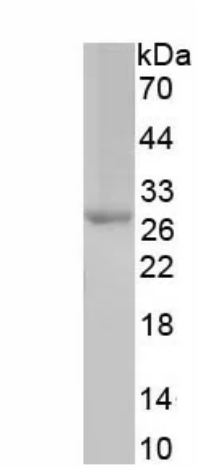
Active Adiponectin (ADPN)

Catalog#:PEV12441

概述（Summary）

别称（Alternative Names）	GBP28; ApM1; AdipoQ; Acrp30; ACDC; APM1; C1Q And Collagen Domain Containing; Adipocyte Complement-Related Protein Of 30 KDa; Adipose Most Abundant Gene Transcript 1
纯度（Purity）	Greater than 90% as determined by reducing SDS-PAGE.
内毒素（Endotoxin level）	Please contact with the lab for this information
蛋白构建（Construction）	【Met32-Arg244】
Accession #	Q6QWE7
表达宿主（Host）	E.coli
种属（Species）	Chicken (Gallus)
预测分子量（Predicted MW）	26.9 kDa
制剂（Form）	Lyophilized from a 0.2 μm filtered solution of PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
运输方式（Shipping）	The product is shipped with ice bag. Upon receipt, store it immediately at the temperature listed below.
稳定性&储存（Stability &Storage）	12 months at -20°C to -80°C in lyophilized state.6 months at -20°C to -80°C under sterile conditions after reconstitution.7-10 days at 2°C to 8°C under sterile conditions after reconstitution.Please minimize freeze-thaw cycles.
复溶（Reconstitution）	Reconstitute in 10mM PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

电泳图（SDS-PAGE image）



Greater than 90% as determined by reducing SDS-PAGE.

活性图（Bioactivity image）

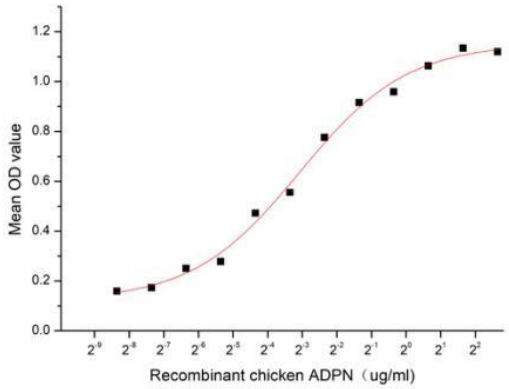


Figure 1. The binding activity of recombinant chicken ADPN and recombinant rat PPARgC1a

Human Adiponectin (ADPN) is a 53 kDa member of the PNPLA family of phospholipase A2 enzymes. It is a plasma protein secreted by adipose tissue showing pleiotropic effects with anti-diabetic, anti-atherogenic and anti-inflammatory properties. Adiponectin and AdipoR1 regulate PPARgC1a and mitochondria by Ca(2) and AMPK/SIRT1. Thus a functional binding ELISA assay was conducted to detect the interaction of recombinant chicken ADPN and recombinant rat PPARgC1a. Briefly, ADPN was diluted serially in PBS with 0.01% BSA (pH 7.4). Duplicate samples of 100 µl were then transferred to PPARgC1a-coated microtiter wells and incubated for 1h at 37℃. Wells were washed with PBST and incubated for 1h with anti-ADPN pAb, then aspirated and washed 3 times. After incubation with HRP labelled secondary antibody for 1h at 37℃, wells were aspirated and washed 5 times. With the addition of substrate solution, wells were incubated 15-25 minutes at 37℃. Finally, add 50 µL stop solution to the wells and read at 450/630 nm immediately. The binding activity of recombinant chicken ADPN and recombinant rat PPARgC1a was shown in Figure 1, the EC50 for this effect is 0.12 ug/mL.

注意事项（Note）

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