

Anti-Adiponectin antibody ab216502

6 图像

概述

产品名称	Anti-Adiponectin抗体
描述	兔多克隆抗体to Adiponectin
宿主	Rabbit
经测试应用	适用于: IHC-P, WB
种属反应性	与反应: Mouse, Rat, Human
免疫原	Synthetic peptide within Human Adiponectin aa 140-190 conjugated to keyhole limpet haemocyanin. The exact sequence is proprietary. Database link: Q15848
阳性对照	IHC-P: Human colon carcinoma and mouse liver tissues. WB: Rat liver, mouse intestine, heart and spleen lysates. HepG2 cell lysate.
常规说明	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
存储溶液	pH: 7.40 Preservative: 0.02% Proclin 300 Constituents: 50% Glycerol (glycerin, glycerine), 1% BSA, 48.98% TBS, 1X
纯度	Protein A purified
克隆	多克隆

应用

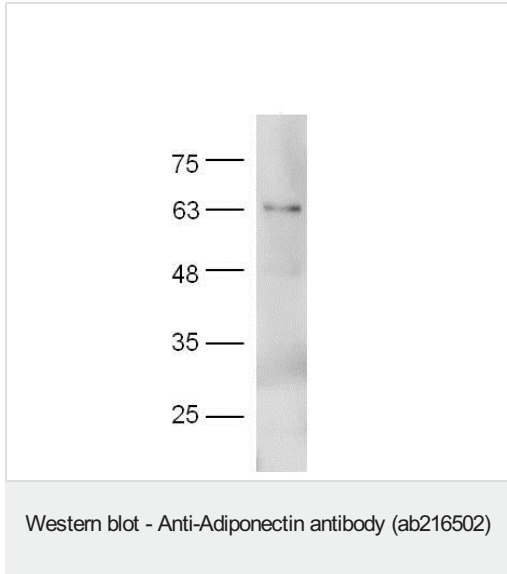
“应用说明”部分下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
IHC-P		1/100 - 1/500.
WB		1/100 - 1/1000. Predicted molecular weight: 26 kDa.

靶标

功能	Important adipokine involved in the control of fat metabolism and insulin sensitivity, with direct anti-diabetic, anti-atherogenic and anti-inflammatory activities. Stimulates AMPK phosphorylation and activation in the liver and the skeletal muscle, enhancing glucose utilization and fatty-acid combustion. Antagonizes TNF-alpha by negatively regulating its expression in various tissues such as liver and macrophages, and also by counteracting its effects. Inhibits endothelial NF-kappa-B signaling through a cAMP-dependent pathway. May play a role in cell growth, angiogenesis and tissue remodeling by binding and sequestering various growth factors with distinct binding affinities, depending on the type of complex, LMW, MMW or HMW.
组织特异性	Synthesized exclusively by adipocytes and secreted into plasma.
疾病相关	Defects in ADIPOQ are the cause of adiponectin deficiency (ADPND) [MIM:612556]. ADPND results in very low concentrations of plasma adiponectin. Genetic variations in ADIPOQ are associated with non-insulin-dependent diabetes mellitus (NIDDM) [MIM:125853]; also known as diabetes mellitus type 2. NIDDM is characterized by an autosomal dominant mode of inheritance, onset during adulthood and insulin resistance.
序列相似性	Contains 1 C1q domain. Contains 1 collagen-like domain.
结构域	The C1q domain is commonly called the globular domain.
翻译后修饰	Hydroxylated Lys-33 was not identified in PubMed:16497731, probably due to poor representation of the N-terminal peptide in mass fingerprinting. HMW complexes are more extensively glycosylated than smaller oligomers. Hydroxylation and glycosylation of the lysine residues within the collagen-like domain of adiponectin seem to be critically involved in regulating the formation and/or secretion of HMW complexes and consequently contribute to the insulin-sensitizing activity of adiponectin in hepatocytes. O-glycosylated. Not N-glycosylated. O-linked glycans on hydroxylysines consist of Glc-Gal disaccharides bound to the oxygen atom of post-translationally added hydroxyl groups. Sialylated to varying degrees depending on tissue. Thr-22 appears to be the major site of sialylation. Higher sialylation found in SGBS adipocytes than in HEK fibroblasts. Sialylation is not required neither for heterodimerization nor for secretion. Not sialylated on the glycosylated hydroxylysines. Desialylated forms are rapidly cleared from the circulation.
细胞定位	Secreted.

图片

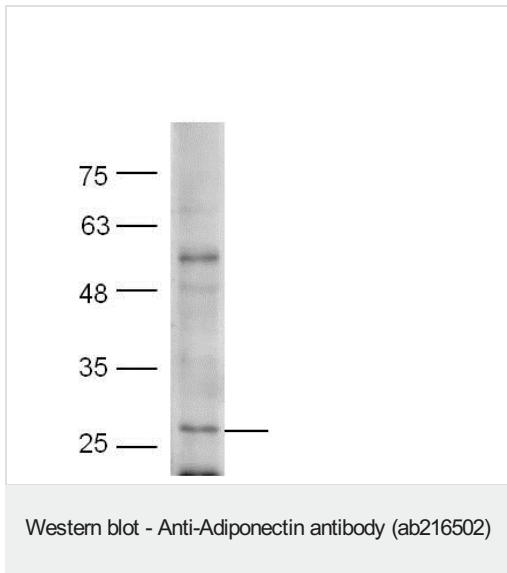


Anti-Adiponectin antibody (ab216502) at 1/300 dilution + HepG2 cell lysate

Secondary

Goat Anti-Rabbit IgG Antibody (H+L), HRP Conjugated at 1/5000 dilution

Predicted band size: 26 kDa

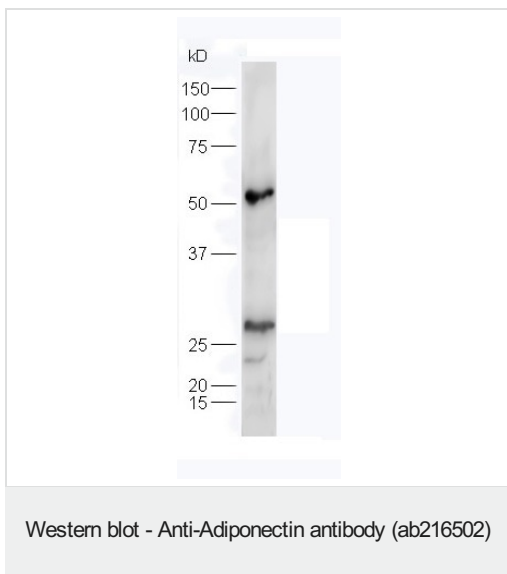


Anti-Adiponectin antibody (ab216502) at 1/300 dilution + Mouse spleen lysate

Secondary

Goat Anti-Rabbit IgG Antibody (H+L), HRP Conjugated at 1/5000 dilution

Predicted band size: 26 kDa

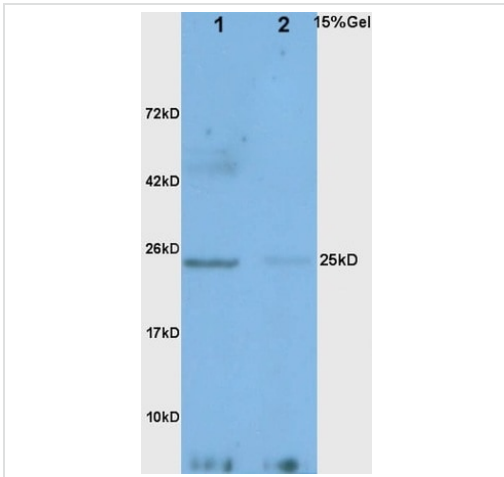


Anti-Adiponectin antibody (ab216502) at 1/300 dilution + mouse heart lysate

Secondary

Goat Anti-Rabbit IgG Antibody (H+L), HRP Conjugated at 1/5000 dilution

Predicted band size: 26 kDa



Western blot - Anti-Adiponectin antibody (ab216502)

All lanes : Anti-Adiponectin antibody (ab216502) at 1/200 dilution

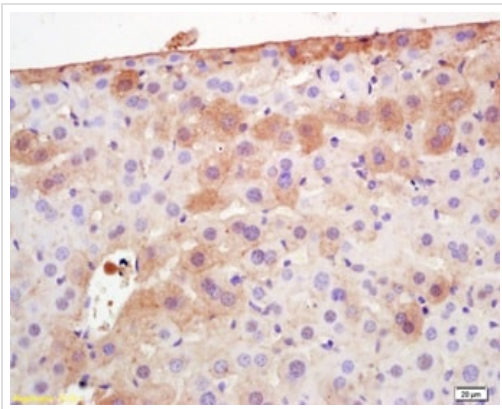
Lane 1 : rat liver lysate

Lane 2 : mouse intestine lysate

Secondary

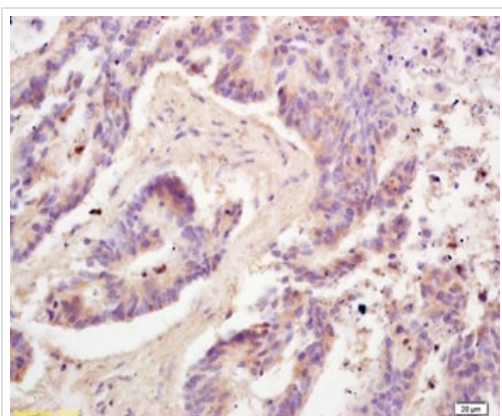
All lanes : Goat Anti-Rabbit IgG Antibody (H+L), HRP Conjugated at 1/3000 dilution

Predicted band size: 26 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Adiponectin antibody (ab216502)

Immunohistochemical analysis of formalin-fixed and paraffin embedded mouse liver tissue labeling Adiponectin using ab216502 at 1/200, followed by secondary detection and DAB staining.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Adiponectin antibody (ab216502)

Immunohistochemical analysis of formalin-fixed and paraffin embedded human colon carcinoma tissue labeling Adiponectin using ab216502 at 1/200, followed by secondary detection and DAB staining.

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