

Anti-Adiponectin antibody ab216502

画像数 6

製品の概要

製品名	Anti-Adiponectin antibody
製品の詳細	Rabbit polyclonal to Adiponectin
由来種	Rabbit
アプリケーション	適用あり: IHC-P, WB
種交差性	交差種: 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
ポジティブ・コントロール	IHC-P: Human colon carcinoma and mouse liver tissues. WB: Rat liver, mouse intestine, heart and spleen lysates. HepG2 cell lysate.
特記事項	<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>

製品の特性

製品の状態	Liquid
保存方法	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.
バッファー	pH: 7.40 Preservative: 0.02% Proclin 300 Constituents: 50% Glycerol (glycerin, glycerine), 1% BSA, 48.98% TBS, 1X
精製度	Protein A purified
ポリ/モノ	ポリクローナル

アプリケーション

The Abpromise guarantee

Abpromise保証は、次のテスト済みアプリケーションにおけるab216502の使用に適用されず

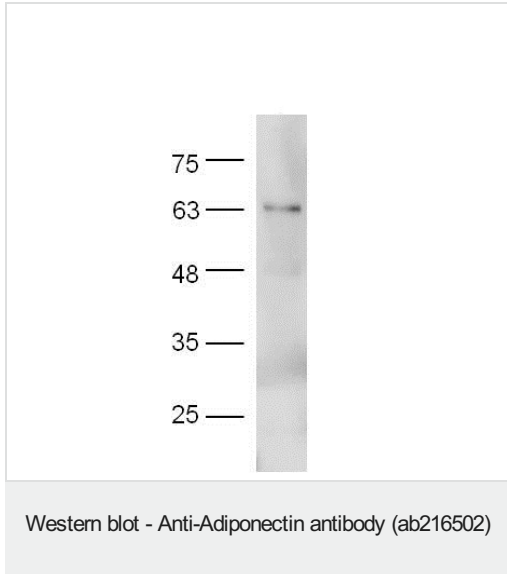
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
IHC-P		1/100 - 1/500.
WB		1/100 - 1/1000. Predicted molecular weight: 26 kDa.

ターゲット情報

機能	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.
組織特異性	Synthesized exclusively by adipocytes and secreted into plasma.
関連疾患	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.
配列類似性	Contains 1 C1q domain. Contains 1 collagen-like domain.
ドメイン	The C1q domain is commonly called the globular domain.
翻訳後修飾	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.
細胞内局在	Secreted.

画像

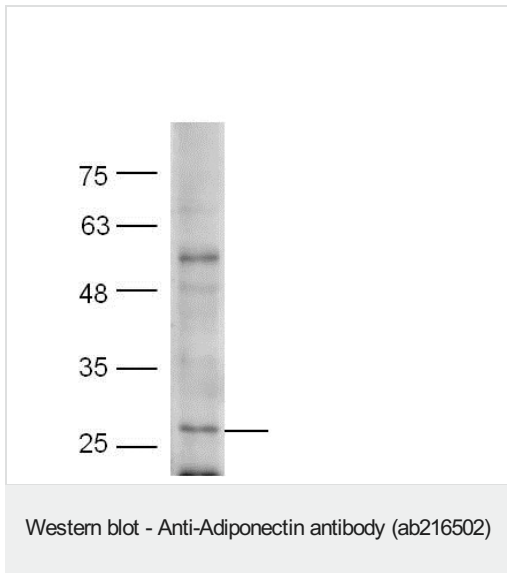


Anti-Adiponectin antibody (ab216502) at 1/300 dilution + HepG2 cell lysate

Secondary

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

Predicted band size: 26 kDa

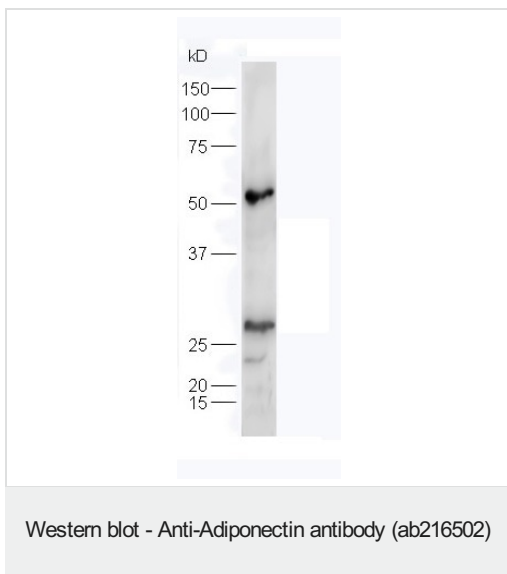


Anti-Adiponectin antibody (ab216502) at 1/300 dilution + Mouse spleen lysate

Secondary

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

Predicted band size: 26 kDa

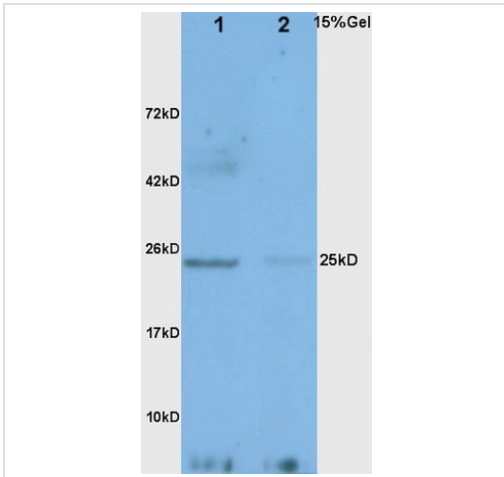


Anti-Adiponectin antibody (ab216502) at 1/300 dilution + mouse heart lysate

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

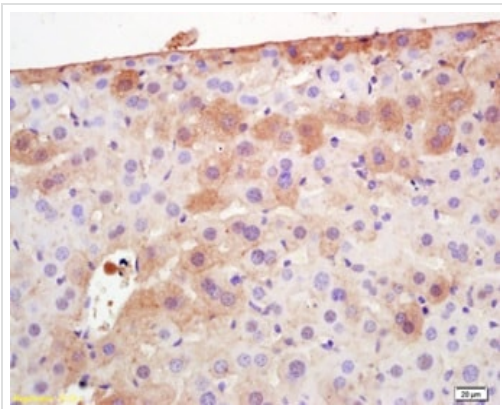
Lane 1 : rat liver lysate

Lane 2 : mouse intestine lysate

Secondary

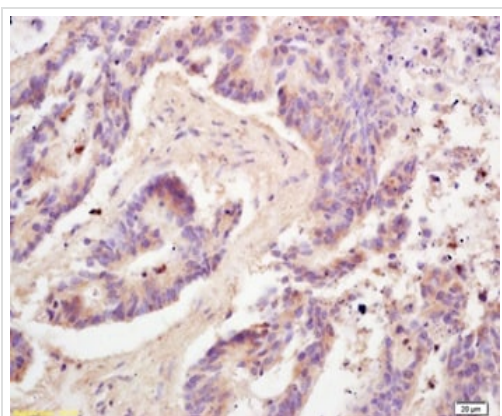
All lanes : Goat Anti-Rabbit IgG Antibody (H+L), HRP Conjugated at 1/3000 dilution

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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