

Anti-Angiopoietin-like 4/ANGPTL4 antibody ab2920

★★★★★ [1 Abreviews](#) [6 References](#) [画像数 1](#)

製品の概要

製品名	Anti-Angiopoietin-like 4/ANGPTL4 antibody
製品の詳細	Rabbit polyclonal to Angiopoietin-like 4/ANGPTL4
由来種	Rabbit
特異性	Detects fasting-induced adipose factor (FIAF) from rat adipose tissue.
アプリケーション	適用あり: WB
種交差性	交差種: Rat
免疫原	Synthetic peptide corresponding to Mouse Angiopoietin-like 4/ANGPTL4 aa 80-94 (N terminal). Sequence: CQGPKGKDAPFKDSE (Peptide available as ab4936)
ポジティブ・コントロール	Rat adipose tissue extracts.
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>

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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 or -80°C. Avoid freeze / thaw cycle.
バッファー	Preservative: 0.05% Sodium azide Constituents: 0.1% BSA, 99% PBS
精製度	Immunogen affinity purified
一次抗体 備考	Adipose tissue is an energy reserve in animals, and in nondomestic species it is strictly regulated. Adipose cells produce and secrete numerous physiologically important proteins that

help regulate whole body metabolism, such as leptin and Acrp30. Fasting causes significant changes in nutrient metabolism and many of these changes are controlled by transcription factors that regulate rate-limiting enzymes. An important transcription factor that mediates metabolic processes induced by fasting is peroxisome proliferator-activated receptor alpha (PPAR alpha). PPAR alpha has recently been reported to target a novel gene encoding the secreted protein FIAF (fasting-induced adipose factor). FIAF is expressed predominantly in adipose tissue and is strongly upregulated in white adipose tissue and the liver under fasting conditions. Initial studies suggest that FIAF represents a novel endocrine signal helping to regulate metabolism, especially under fasting conditions.

ポリ/モノ

ポリクローナル

アイソタイプ

IgG

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ab2920の使用に適用されます

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
WB	★★★★★ (1)	Use a concentration of 2 µg/ml. By Western blot, this antibody detects an ~50 kDa protein representing FIAF from rat adipose tissue extracts.

ターゲット情報

機能

Protein with hypoxia-induced expression in endothelial cells. May act as a regulator of angiogenesis and modulate tumorigenesis. Inhibits proliferation, migration, and tubule formation of endothelial cells and reduces vascular leakage. May exert a protective function on endothelial cells through an endocrine action. It is directly involved in regulating glucose homeostasis, lipid metabolism, and insulin sensitivity. In response to hypoxia, the unprocessed form of the protein accumulates in the subendothelial extracellular matrix (ECM). The matrix-associated and immobilized unprocessed form limits the formation of actin stress fibers and focal contacts in the adhering endothelial cells and inhibits their adhesion. It also decreases motility of endothelial cells and inhibits the sprouting and tube formation.

組織特異性

Expressed at high levels in the placenta, heart, liver, muscle, pancreas and lung but expressed poorly in the brain and kidney.

配列類似性

Contains 1 fibrinogen C-terminal domain.

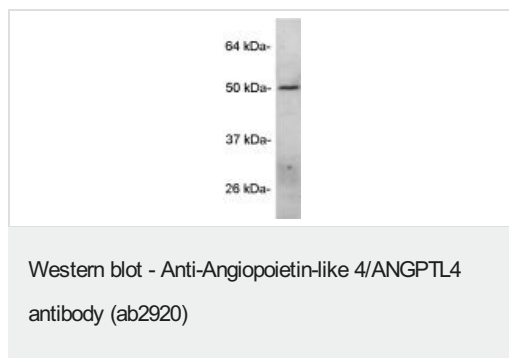
翻訳後修飾

N-glycosylated.

細胞内局在

Secreted. Secreted > extracellular space > extracellular matrix. The unprocessed form interacts with the extracellular matrix. This may constitute a dynamic reservoir, a regulatory mechanism of the bioavailability of ANGPTL4.

画像



Western blot on FIAF in rat adipose tissue extract using ab2920.

Western blot on FIAF in rat adipose tissue extract using ab2920.

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