


Anti-Adipose Triglyceride Lipase (phospho S406) antibody ab135093

★★★★☆ [1 Abreviews](#) [18 References](#) [画像数 2](#)

製品の概要

製品名	Anti-Adipose Triglyceride Lipase (phospho S406) antibody
製品の詳細	Rabbit polyclonal to Adipose Triglyceride Lipase (phospho S406)
由来種	Rabbit
特異性	From Mar 2024, QC testing of replenishment batches of this polyclonal changed. All tested and expected application and reactive species combinations are still covered by our Abcam product promise. However, we no longer test all applications. For more information on a specific batch, please contact our Scientific Support who will be happy to help.
アプリケーション	適用あり: ELISA, WB
種交差性	交差種: Mouse 交差が予測される動物種: Rat, Dog, Pig, Chinese hamster 
免疫原	Synthetic peptide within Mouse Adipose Triglyceride Lipase aa 400 to the C-terminus (phospho S406) conjugated to keyhole limpet haemocyanin. The exact sequence is proprietary. Database link: Q8BJ56 (Peptide available as ab174058)
ポジティブ・コントロール	This antibody gave a positive signal in Mouse Brown Adipose Tissue.
特記事項	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. 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

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	pH: 7.40 Preservative: 0.02% Sodium azide

Batches of this product that have a concentration < 1mg/ml may have BSA added as a stabilising agent. If you would like information about the formulation of a specific lot, please contact our scientific support team who will be happy to help.

精製度	Immunogen affinity purified
ポリ/モノ	ポリクローナル
アイソタイプ	IgG

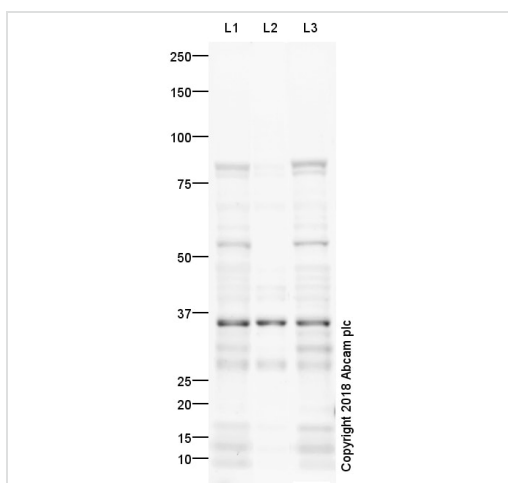
アプリケーション

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ab135093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
ELISA		Use at an assay dependent concentration.
WB	★★★★☆ (1)	Use a concentration of 1 µg/ml. Predicted molecular weight: 55 kDa.

ターゲット情報

機能	Catalyzes the initial step in triglyceride hydrolysis in adipocyte and non-adipocyte lipid droplets. Also has acylglycerol transacylase activity. May act coordinately with LIPE/HLS within the lipolytic cascade. Regulates adiposome size and may be involved in the degradation of adiposomes. May play an important role in energy homeostasis. May play a role in the response of the organism to starvation, enhancing hydrolysis of triglycerides and providing free fatty acids to other tissues to be oxidized in situations of energy depletion.
組織特異性	Highest expression in adipose tissue. Also detected in heart, skeletal muscle, and portions of the gastrointestinal tract. Detected in normal retina and retinoblastoma cells. Detected in retinal pigment epithelium and, at lower intensity, in the inner segments of photoreceptors and in the ganglion cell layer of the neural retina (at protein level).
パスウェイ	Glycerolipid metabolism; triacylglycerol degradation.
関連疾患	Note=Genetic variations in PNPLA2 may be associated with risk of diabetes mellitus type 2. Defects in PNPLA2 are the cause of neutral lipid storage disease with myopathy (NLSDM) [MIM:610717]; also known as neutral lipid storage disease without ichthyosis. NLSLDM is a neutral lipid storage disorder (NLSLDM) with myopathy but without ichthyosis. NLSLDMs are characterized by the presence of triglyceride-containing cytoplasmic droplets in leukocytes and in other tissues, including bone marrow, skin, and muscle. Individuals with NLSLDM did not show obesity, in spite of a defect in triglyceride degradation in fibroblasts and in marked triglyceride storage in liver, muscles, and other visceral cells.
配列類似性	Contains 1 patatin domain.
発生段階	Induced during differentiation of primary preadipocytes to adipocytes. Expression increased from fetal to adult in retinal pigment epithelium.
細胞内局在	Lipid droplet. Cell membrane.



Western blot - Anti-Adipose Triglyceride Lipase (phospho S406) antibody (ab135093)

All lanes : Anti-Adipose Triglyceride Lipase (phospho S406) antibody (ab135093) at 1 µg/ml

Lane 1 : Mouse Brown Adipose Tissue (BAT)

Lane 2 : Mouse Brown Adipose Tissue (BAT) with Mouse Patatin-like phospholipase domain-containing protein 2 Synth (402 - 412) (Phosphorylation S 406) at 1 µg/ml

Lane 3 : Mouse Brown Adipose Tissue (BAT) with Mouse Patatin-like phospholipase domain-containing protein 2 Synth (402 - 413) (No Modifications) at 1 µg/ml

Lysates/proteins at 20 µg per lane.

Developed using the ECL technique.

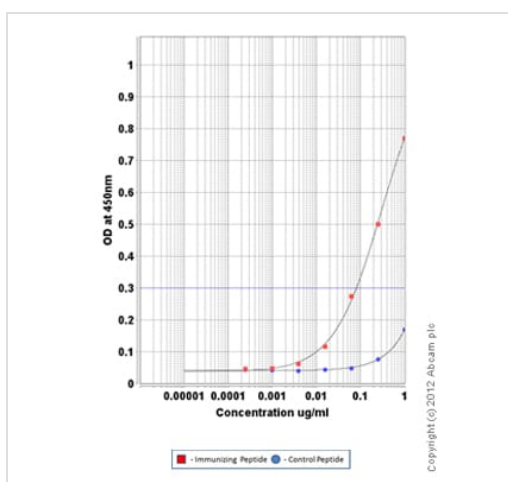
Performed under reducing conditions.

Predicted band size: 55 kDa

Observed band size: 55 kDa

Additional bands at: 35 kDa (possible non-specific binding), 85 kDa (possible non-specific binding)

Exposure time: 20 minutes



ELISA - Anti-Adipose Triglyceride Lipase (phospho S406) antibody (ab135093)

ab135093 was tested using an Indirect ELISA approach. The wells were coated with peptide (1 µg/ml at 100 µl/well) overnight at 4°C, followed by a 5% BSA blocking step for 1 hour at room temperature. The primary Ab was then added at a dilution range of 1- 0.00025 µg/ml (100 µl/well) for 1 hr at room temperature. A HRP-conjugated anti-rabbit IgG (heavy and light chain) was used as a secondary antibody at 1:20,000 dilution for 1 hr at room temperature.

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