

Anti-AMPK alpha 1 (phospho S487) antibody ab131357

★★★★★ [2 Abreviews](#) [23 References](#) [画像数 3](#)

製品の概要

製品名	Anti-AMPK alpha 1 (phospho S487) antibody
製品の詳細	Rabbit polyclonal to AMPK alpha 1 (phospho S487)
由来種	Rabbit
アプリケーション	適用あり: WB, IHC-P, ICC/IF
種交差性	交差種: Human 交差が予測される動物種: Mouse, Rat 
免疫原	Synthetic peptide corresponding to Human AMPK alpha 1 (phospho S487) conjugated to keyhole limpet haemocyanin. Database link: Q13131 Run BLAST with Run BLAST with
ポジティブ・コントロール	HUVEC cell extract treated with UV, HeLa cells, Human colon carcinoma tissue
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 -20°C. Stable for 12 months at -20°C.
バッファー	pH: 7.40 Preservative: 0.02% Sodium azide Constituents: 49% PBS, 50% Glycerol, 0.88% Sodium chloride PBS is without Mg ²⁺ and Ca ²⁺
精製度	Immunogen affinity purified
特記事項 (精製)	Antibody was purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using non-phosphopeptide.

ポリモノ
アイソタイプ

ポリクローナル
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ab131357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
WB	★★★★★ (2)	1/500 - 1/1000. Predicted molecular weight: 64 kDa.
IHC-P		1/50 - 1/100.
ICC/IF		1/100 - 1/200.

ターゲット情報

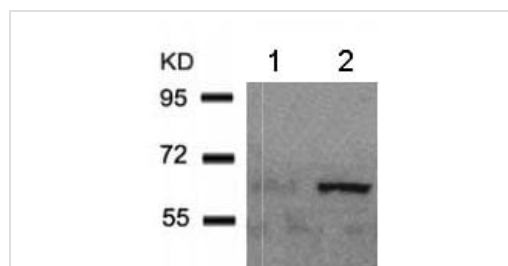
機能

Responsible for the regulation of fatty acid synthesis by phosphorylation of acetyl-CoA carboxylase. It also regulates cholesterol synthesis via phosphorylation and inactivation of hormone-sensitive lipase and hydroxymethylglutaryl-CoA reductase. Appears to act as a metabolic stress-sensing protein kinase switching off biosynthetic pathways when cellular ATP levels are depleted and when 5'-AMP rises in response to fuel limitation and/or hypoxia. This is a catalytic subunit.

配列類似性

Belongs to the protein kinase superfamily. CAMK Ser/Thr protein kinase family. SNF1 subfamily. Contains 1 protein kinase domain.

画像



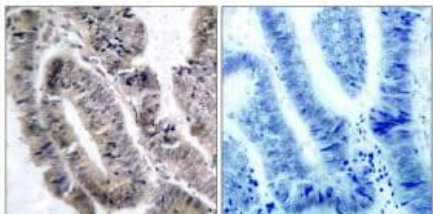
Western blot - Anti-AMPK alpha 1 (phospho S487) antibody (ab131357)

All lanes : Anti-AMPK alpha 1 (phospho S487) antibody (ab131357) at 1/500 dilution

Lane 1 : HUVEC cell extract untreated

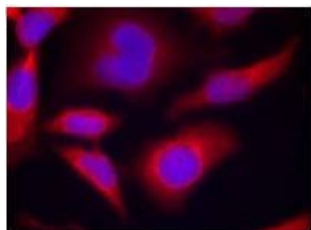
Lane 2 : HUVEC cell extract treated with UV

Predicted band size: 64 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-AMPK alpha 1 (phospho S487) antibody (ab131357)

Immunohistochemical analysis of paraffin embedded Human colon carcinoma tissue labelling AMPK alpha 1 (phospho S487) with ab131357 antibody at a dilution of 1/50. Picture on the right was preincubated with blocking peptide.



Immunocytochemistry/ Immunofluorescence - Anti-AMPK alpha 1 (phospho S487) antibody (ab131357)

Immunofluorescence of methanol-fixed HeLa cells staining AMPK alpha 1 (phospho S487) with ab131357 antibody at a dilution of 1/100.

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