

Product datasheet

Anti-AMPK alpha 1 antibody ab51133

1 图像

概述

产品名称	Anti-AMPK alpha 1抗体
描述	兔多克隆抗体to AMPK alpha 1
特异性	ab51133 detects endogenous levels of total AMPK1 protein.
经测试应用	适用于: ELISA, IHC-P
种属反应性	与反应: Human 预测可用于: Mouse, Rat
免疫原	Synthesized non-phosphopeptide derived from human AMPK1 around the phosphorylation site of threonine174 (L-R-T ^P -S-C).
阳性对照	Human breast carcinoma tissue.

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
存储溶液	Preservative: 0.02% Sodium Azide Constituents: 50% Glycerol, PBS (without Mg ²⁺ and Ca ²⁺), 150mM Sodium chloride, pH 7.4
纯度	Immunogen affinity purified
克隆	多克隆
同种型	IgG

应用

Our [Abpromise guarantee](#) covers the use of **ab51133** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用	Ab评论	说明
ELISA		1/40000.
IHC-P		Use at an assay dependent concentration.

靶标

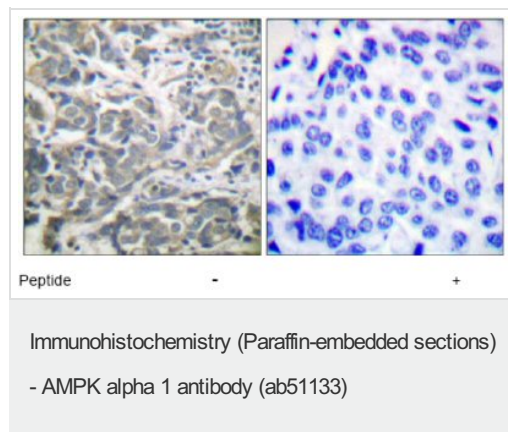
功能

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.

序列相似性

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

图片



This image shows human breast carcinoma stained with ab51133 at a dilution of 1/50-1/100. Right hand image: treated with immunising peptide; left hand image: untreated.

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