

## 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
宿主	Rabbit
特异性	<a href="#">ab51133</a> 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 <sup>P</sup> -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 <sup>2+</sup> and Ca <sup>2+</sup> ), 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.

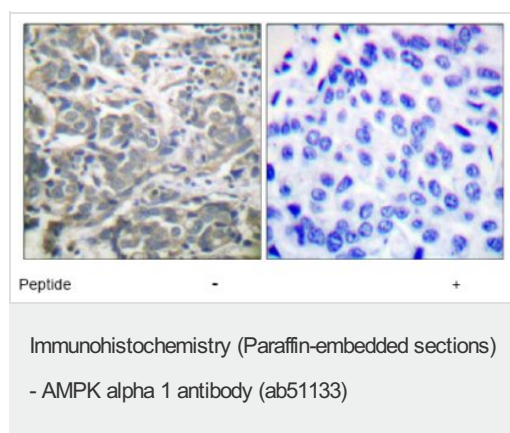
应用	Ab评论	说明
IHC-P		Use at an assay dependent concentration.

## 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.

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

## Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.cn/abpromise> or contact our technical team.

## Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors