

Product datasheet

AMPK alpha 1 overexpression 293T lysate (whole cell) ab94311

[2 Images](#)

Overview

Product name	AMPK alpha 1 overexpression 293T lysate (whole cell)
General notes	ab94311 is a 293T cell transfected lysate in which Human AMPK alpha 1 has been transiently over-expressed using a pCMV-AMPK alpha 1 plasmid. The lysate is provided in 1X Sample Buffer.
Tested applications	Suitable for: WB

Properties

Mycoplasma free	Yes
Form	Liquid
Storage instructions	Shipped on dry ice. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	Constituents: 0.01% Bromophenol blue, 2.3% Beta mercaptoethanol, 2% Sodium lauryl sulfate, 0.788% Tris HCl, 10% Glycerol (glycerin, glycerine)
Background	Function: 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. Similarity: Belongs to the protein kinase superfamily. CAMK Ser/Thr protein kinase family. SNF1 subfamily. Contains 1 protein kinase domain.

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab94311 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

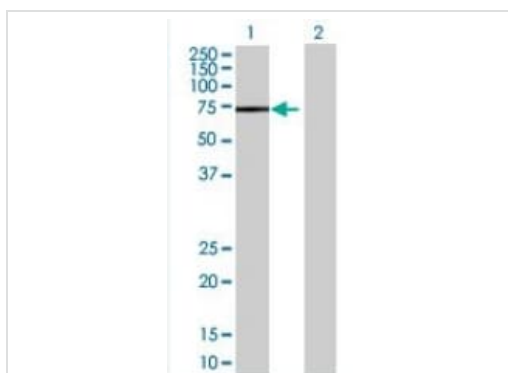
Application	Abreviews	Notes
WB		Use at an assay dependent dilution.

Images



SDS-PAGE - AMPK alpha 1 overexpression 293T
lysate (whole cell) (ab94311)

ab94311 at 15µg/lane on an SDS-PAGE gel.



Western blot - AMPK alpha 1 overexpression 293T
lysate (whole cell) (ab94311)

All lanes : Anti-AMPK alpha 1 antibody ([ab89214](#)) at 1/500 dilution

Lane 1 : AMPK alpha 1 293T Transfected Lysate - Positive Control
(ab94311)

Lane 2 : 293T non-transfected lysate

Lysates/proteins at 25 µg per lane.

Secondary

All lanes : Goat Anti-mouse IgG (H and L) HRP conjugate at
1/2500 dilution

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