

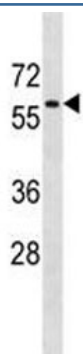
AMPK Antibody / PRKAA1 (F50188)

Catalog No.	Formulation	Size
F50188-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F50188-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

[Bulk quote request](#)

Availability	1-3 business days
Species Reactivity	Human, Mouse
Format	Purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Purified
UniProt	Q13131
Applications	Western blot : 1:1000
Limitations	This AMPK antibody is available for research use only.

AMPK antibody western blot analysis in SK-BR-3 lysate



Western blot analysis of AMPK antibody and mouse liver lysate

250
150
100
75
50
37
25
20



Description

AMPK is 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. It 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. AMPK alpha 1, a member of the Ser/Thr protein kinase family, is a catalytic subunit of AMPK.

Application Notes

Titration of the AMPK antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 479-510 from the human protein was used as the immunogen for this AMPK antibody.

Storage

Aliquot the AMPK antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.