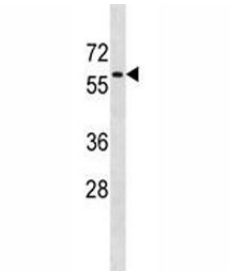
AMPK Antibody / PRKAA1 (F50188)

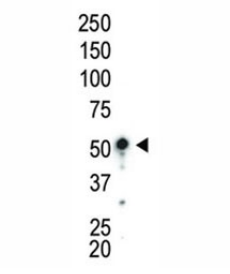
Catalog No.	Formulation	Size
F50188-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F50188-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse
Format	Purified
Host	Rabbit
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

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.

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