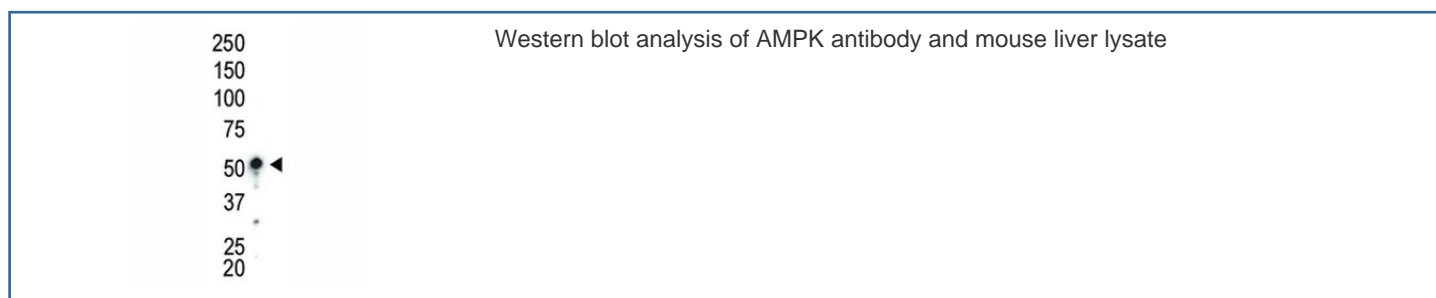
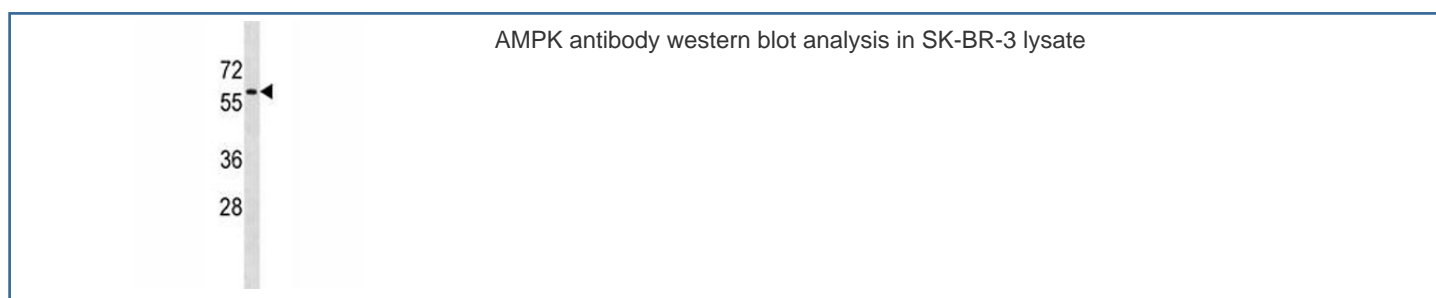


AMPK Antibody / PRKAA1 (F50188)

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.



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.