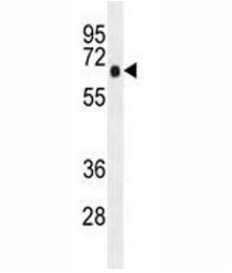
AMPK alpha Antibody / PRKAA1 [clone 167CT22.1.6] (F40234)

Catalog No.	Formulation	Size
F40234-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F40234-0.08ML	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
Predicted Reactivity	Rat
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, k
Clone Name	167CT22.1.6
Purity	Purified
UniProt	Q13131
Applications	Western blot: 1:100-1:500
Limitations	This AMPK alpha antibody is available for research use only.



AMPK alpha antibody western blot analysis in K562 lysate.

Description

AMPK alpha is the catalytic subunit of AMP-activated protein kinase (AMPK), an energy sensor protein kinase that plays a key role in regulating cellular energy metabolism. In response to reduction of intracellular ATP levels, AMPK activates energy-producing pathways and inhibits energy-consuming processes: inhibits protein, carbohydrate and lipid biosynthesis, as well as cell growth and proliferation. AMPK acts via direct phosphorylation of metabolic enzymes, and by

longer-term effects via phosphorylation of transcription regulators. [UniProt]

Application Notes

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

Immunogen

This AMPK alpha antibody was produced from a mouse immunized with PRKAA1 recombinant protein.

Storage

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

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