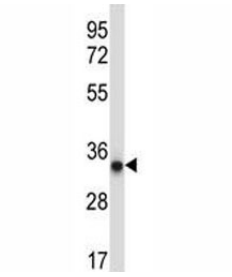
AMPK beta 2 Antibody (PRKAB2) (F50061)

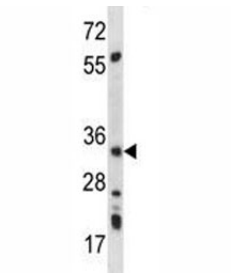
Catalog No.	Formulation	Size
F50061-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F50061-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity
UniProt	O43741
Applications	Western Blot : 1:1000
Limitations	This AMPK beta 2 antibody is available for research use only.



AMPK beta 2 antibody western blot analysis in A375 lysate. Expected molecular weight ~30 kDa.



AMPK beta 2 antibody western blot analysis in mouse kidney tissue lysate

Description

The protein encoded by this gene is a regulatory subunit of the AMP-activated protein kinase (AMPK). AMPK is a heterotrimer consisting of an alpha catalytic subunit, and non-catalytic beta and gamma subunits. AMPK is an important energy-sensing enzyme that monitors cellular energy status. In response to cellular metabolic stresses, AMPK is activated, and thus phosphorylates and inactivates acetyl-CoA carboxylase (ACC) and beta-hydroxy beta-methylglutaryl-CoA reductase (HMGCR), key enzymes involved in regulating de novo biosynthesis of fatty acid and cholesterol. This subunit may be a positive regulator of AMPK activity. The myristoylation and phosphorylation of this subunit have been shown to affect the enzyme activity and cellular localization of AMPK. This subunit may also serve as an adaptor molecule mediating the association of the AMPK complex.

Application Notes

Titration of the AMPK beta 2 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 3-33 from human PRKAB2 was used as the immunogen for this AMPK beta 2 antibody.

Storage

Aliquot the AMPK beta 2 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.