

PRKAA2 antibody

Product Information

Catalog No.:	FNab00376
Size:	100µg
Form:	liquid
Purification:	Immunogen affinity purified
Purity:	≥95% as determined by SDS-PAGE
Host:	Rabbit
Clonality:	polyclonal
Clone ID:	None
IsoType:	IgG
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months(Avoid repeated freeze / thaw cycles.)

Background

PRKAA2(protein kinase, AMP-activated, alpha 2 catalytic subunit), also named as AMPKA2, AMPK, PRKAA, AMPK2, belongs to the CAMK Ser/Thr protein kinase family and SNF1 subfamily. PRKAA2 is an $\alpha\beta\gamma$ heterotrimer that is activated by low cellular energy status, such as decreases in both the ATP/AMP ratio and the phosphocreatine content and it is a glycogen synthase kinase, phosphorylating Ser7 at the NH2 terminus, which decreases glycogen synthase activity(PMID:14532170). The protein can be ubiquitinated(PMID:21224036).

Immunogen information

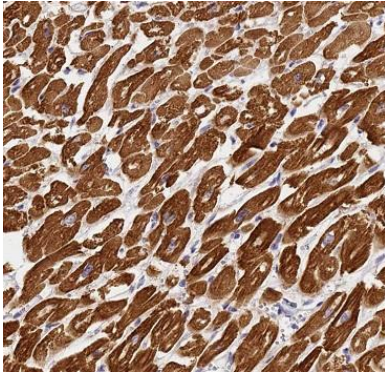
Immunogen:	protein kinase, AMP-activated, alpha 2 catalytic subunit
Synonyms:	5'-AMP-activated protein kinase catalytic subunit alpha-2 (AMPK subunit alpha-2) Acetyl-CoA carboxylase kinase (ACACA kinase) Hydroxymethylglutaryl-CoA reductase kinase (HMGCR kinase) PRKAA2 AMPK AMPK2
Observed MW:	62 kDa
Uniprot ID :	P54646

Application

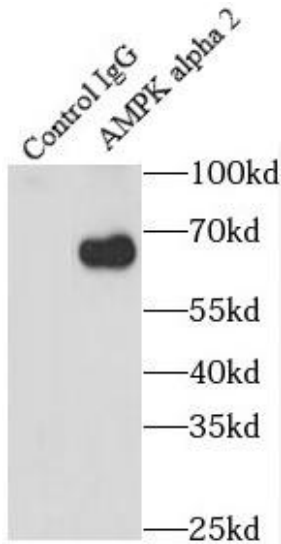
Reactivity:	Human, Mouse, Rat
Tested Application:	ELISA, WB, IF, IHC, IP

Recommended dilution: WB: 1:1000-1:10000; IHC: 1:20-1:200; IF: 1:10-1:100; IP:1:500-1:5000

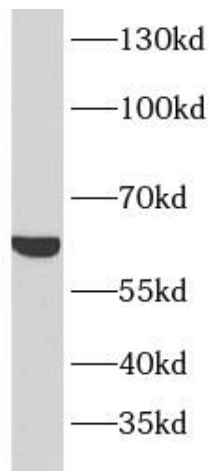
Image:



Immunohistochemistry of paraffin-embedded human skeletal muscle tissue slide using FNab00376(PRKAA2 Antibody) at dilution of 1:50



IP Result of anti-AMPK alpha 2 (IP:FNab00376, 4ug; Detection:FNab00376 1:1000) with mouse skeletal muscle tissue lysate 3600ug.



human skeletal muscle tissue were subjected to SDS PAGE followed by western blot with FNab00376(PRKAA2 antibody) at dilution of 1:500