

PRKAA1 antibody

Product Information

Catalog No.:	FNab00375
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

The mammalian 5-prime-AMP-activated protein kinase(AMPK) appears to play a role in protecting cells from stresses that cause ATP depletion by switching off ATP-consuming biosynthetic pathways. PRKAA1 is also named as AMPK1, ACACA kinase, HMGCR kinase. It is a mammalian homologue of sucrose non-fermenting protein kinase(SNF-1), which belongs to a serine/threonine protein kinase family. It has 2 isoforms produced by alternative splicing.

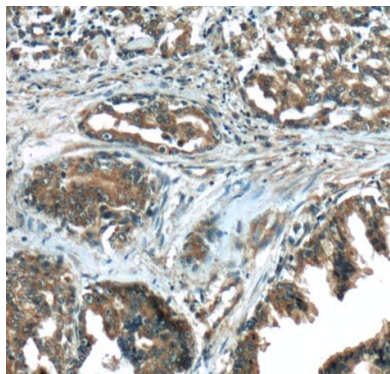
Immunogen information

Immunogen:	protein kinase, AMP-activated, alpha 1 catalytic subunit
Synonyms:	5'-AMP-activated protein kinase catalytic subunit alpha-1 (AMPK subunit alpha-1) Acetyl-CoA carboxylase kinase (ACACA kinase) Hydroxymethylglutaryl-CoA reductase kinase (HMGCR kinase) Tau-protein kinase PRKAA1 PRKAA1 AMPK1
Observed MW:	63 kDa
Uniprot ID :	Q13131

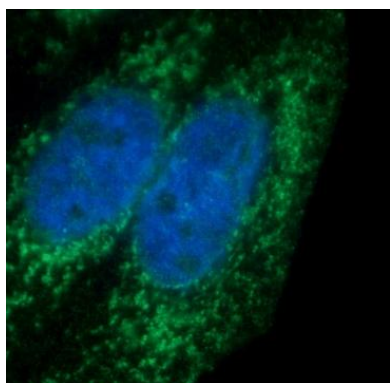
Application

Reactivity:	Human, Mouse, Rat
Tested Application:	ELISA, WB, IHC, IF
Recommended dilution:	WB: 1:200-1:2000; IHC: 1:100-1:400; IF: 1:10-1:100

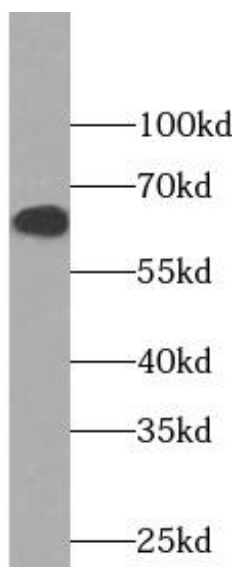
Image:



Immunohistochemistry of paraffin-embedded human prostate cancer tissue slide using FNab00375(AMPK alpha Antibody) at dilution of 1:200



Immunofluorescent analysis of HepG2 cells using FNab00375(AMPK alpha Antibody) at dilution of 1:25 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)



HeLa cells were subjected to SDS PAGE followed by western blot with FNab00375(PRKAA1 antibody) at dilution of 1:300