

产品概述

产品名 (Product Name)	Anti PRKAA2 polyclonal antibody
货号 (Catalog No.)	ATP005
种类 (Category)	Primary antibody
宿主 (Host)	Rabbit
反应种属 (Species specificity)	Human, other species was not test
应用实验 (Tested applications)	WB: 1:2000~1:8000, ICC: 1:50~200, IHC: 1:50~100
克隆性 (Clonality)	Polyclonal
偶连物 (Conjugation)	Unconjugated
免疫原 (Immunogen)	Recombinant protein of human PRKAA2(Met1-Arg552).
别名	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
Uniprot ID	P54646

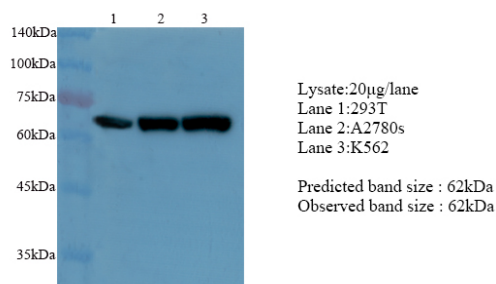
产品性能

状态 (Form)	Liquid
储存溶液 (Buffer)	PBS, pH 7.4, containing 0.05% proclin300, 50% glycerol.
存放条件 (Storage)	Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 4°C for frequent use. Store at -20 to -80 °C for twelve months from the date of receipt.
浓度 (Concentration)	0.43mg/ml
亚型 (Isotype)	IgG
分子量 (MW)	62kDa
纯化方式 (Purity)	Antigen affinity purification

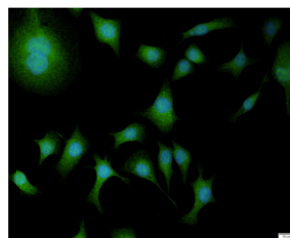
应用

WB, ICC, IHC

产品实验图片



Various lysates were subjected to SDS PAGE followed by western blot with PRKAA2 antibody at dilution of 1:1000.



Immunofluorescent analysis of SKOV3 cells using PRKAA2 antibody at dilution of 1:50 and Alexa Fluor-488 conjugated Affinipure Goat anti rabbit IgG(H+L).

产品背景

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).