À des fins de recherche uniquement

Anticorps Polyclonal de lapin anti-AMPK Alpha 2

proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

Numéro de catalogue:18167-1-AP Phare 42 Publications

Informations de base

Numéro de catalogue:
18167-1-AP

Taille:
150ul , Concentration: 600 μg/ml by Nanodrop;

Hôte:
Lapin

Isotype:
IgG

Immunogen Catalog Number:
AG12796

Numéro d'acquisition GenBank:
BC069680

Identification du gène (NCBI):
5563

Nom complet:
protein kinase, AMP-activated, alpha 2 catalytic subunit

MW calculé
552 aa, 62 kDa

MW observés:
62 kDa

Méthode de purification:
Purification par affinité contre l'antigène

Dilutions recommandées:
WB 1:500-1:2000
IP 0.5-4.0 ug for IP and 1:500-1:2000 for WB
IHC 1:100-1:400
IF 1:50-1:500

Applications

Applications testées:
IF, IHC, IP, WB, ELISA

Demandes citées:
IF, IHC, IP, WB

Spécificité de l'espèce:
Humain, rat, souris

Espèces citées:
Humain, porc, rat, souris

Remarque-IHC: il est suggéré de démasquer l'antigène avec un tampon de TE buffer pH 9.0; (*) À défaut, 'le démasquage de l'antigène peut être 'effectué avec un tampon citrate pH 6,0.

Contrôles positifs:

WB : cellules HeLa, cellules HEK-293, cellules MCF-7, cellules SKOV-3, tissu de muscle squelettique humain, tissu ovarien de rat

IP : tissu de muscle squelettique de souris,

IHC : tissu de cancer du sein humain, tissu de muscle squelettique de souris

IF : cellules MCF-7,

Informations générales

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 αβγ 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).

Publications notables

Autrice	Pubmed ID	Journal	Application
Cefan Zhou	32972302	Autophagy	WB
Zhan Zhao	28959186	Front Mol Neurosci	WB
Lu Liu	27600020	Eur J Pharmacol	WB

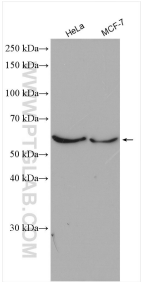
Stockage

Stockage:
Stocker à -20°C. Stable pendant un an après l'expédition.
Tampon de stockage:
PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3
L'aliquotage n'est pas nécessaire pour le stockage à -20C

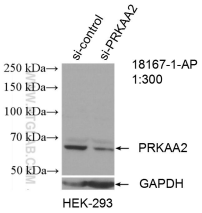
*** Les 20ul contiennent 0,1% de BSA.

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

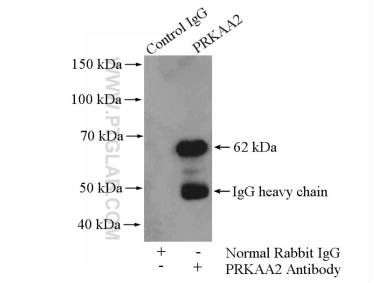
Données de validation sélectionnées



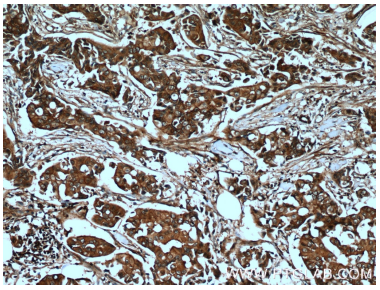
Various lysates were subjected to SDS PAGE followed by western blot with 18167-1-AP (AMPK alpha 2 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



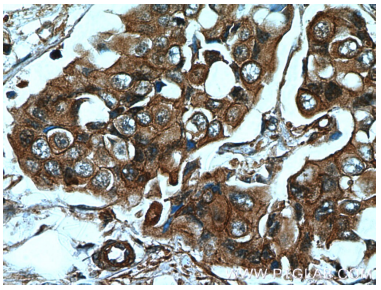
WB result of AMPK alpha 2 antibody (18167-1-AP; 1:300; incubated at room temperature for 1.5 hours) with sh-Control and sh-AMPK alpha 2 transfected HEK-293 cells.



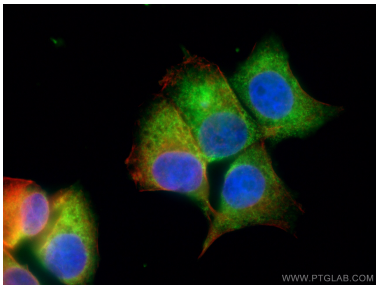
IP Result of anti-AMPK alpha 2 (IP:18167-1-AP, 4ug; Detection:18167-1-AP 1:1000) with mouse skeletal muscle tissue lysate 3600ug.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 18167-1-AP (AMPK alpha 2 antibody at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 18167-1-AP (AMPK alpha 2 antibody at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed MCF-7 cells using AMPK Alpha 2 antibody (18167-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).