

À des fins de recherche uniquement

Anticorps Polyclonal de lapin anti-AMPK Gamma 1



Numéro de catalogue: 10290-1-AP

Phare

7 Publications

Informations de base

Numéro de catalogue:
10290-1-AP

Taille:
150ul, Concentration: 550 µg/ml by
Nanodrop;

Hôte:
Lapin

Isotype:
IgG

Immunogen Catalog Number:
AG0302

Numéro d'acquisition GenBank:
BC000358

Identification du gène (NCBI):
5571

Nom complet:
protein kinase, AMP-activated,
gamma 1 non-catalytic subunit

MW calculé
38 kDa

MW observés:
35-38 kDa

Méthode de purification:
Purification par affinité contre
l'antigène

Dilutions recommandées:
WB 1:1000-1:4000
IP 0.5-4.0 ug for IP and 1:500-1:2000
for WB
IHC 1:20-1:200
IF 1:50-1:500

Applications

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

Demandes citées:
WB

Spécificité de l'espèce:
Humain

Espèces citées:
Humain, souris

Contrôles positifs:

WB : cellules HeLa, cellules HEK-293, cellules Jurkat,
cellules K-562

IP : cellules K-562,

IHC : tissu testiculaire humain, tissu de muscle
squelettique humain

IF : cellules HeLa,

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.

Informations générales

Protein kinase, AMP-activated, gamma 1 non-catalytic subunit (PRKAG1, synonyms: AMPKG, MGC8666) is a regulatory subunit of the AMP-activated protein kinase (AMPK). AMPK is a heterotrimer consisting of an catalytic subunit, and non-catalytic and 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 iAMP-activated protein kinase (AMPK) is a highly conserved heterotrimeric serine/threonine kinase widely characterised as a sensor of cellular energetic stress. AMPK is a heterotrimeric complex consisting of a catalytic α -subunit and two regulatory subunits (β and γ). 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. AMPK gamma 1 is one of the gamma regulatory subunits of AMPK.

Publications notables

Autrice	Pubmed ID	Journal	Application
Qidong Li	31155494	Cell Metab	WB
Zhe Zheng	33658485	Cell Death Dis	WB
Yuwen Sheng	34931827	J Med Chem	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.

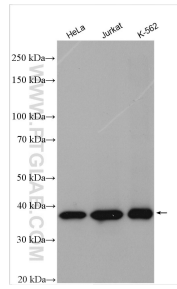
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

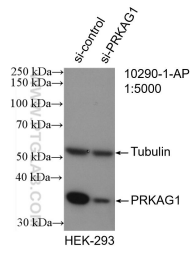
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

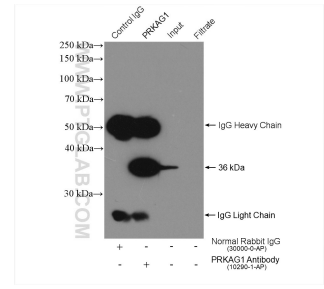
Données de validation sélectionnées



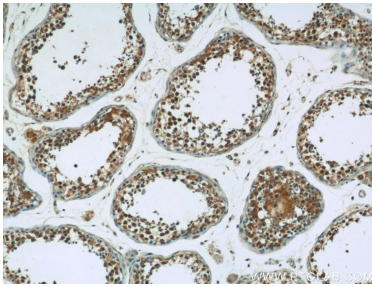
Various lysates were subjected to SDS PAGE followed by western blot with 10290-1-AP (AMPK Gamma 1 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



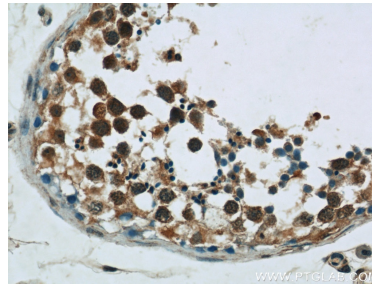
WB result of AMPK Gamma 1 antibody (10290-1-AP; 1:5000; incubated at room temperature for 1.5 hours) with sh-Control and sh-AMPK Gamma 1 transfected HEK-293 cells.



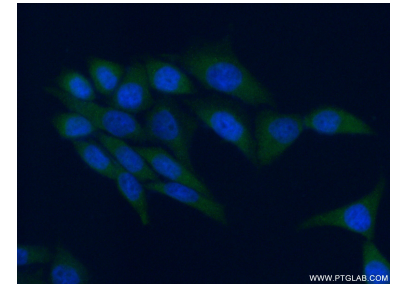
IP result of anti-AMPK Gamma 1 (IP:10290-1-AP, 4ug; Detection:10290-1-AP 1:1000) with K-562 cells lysate 3680 ug.



Immunohistochemical analysis of paraffin-embedded human testis tissue slide using 10290-1-AP (AMPK gamma 1 antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human testis tissue slide using 10290-1-AP (AMPK gamma 1 antibody) at dilution of 1:50 (under 40x lens).



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using 10290-1-AP (AMPK gamma 1 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).