

Nur für Forschungszwecke

AMPK Gamma 1 Polyklonaler Antikörper



Katalog-Nr.: 10290-1-AP

Vorgestelltes Produkt

4 Publikationen

Allgemeine Informationen

Katalog-Nr.: 10290-1-AP	GenBank-Zugangsnummer: BC000358	Reinigungsmethode: Antigen-Affinitätsreinigung
Größe: 150ul, Konzentration: 550 µg/ml von Nanodrop;	GeneID (NCBI): 5571	Empfohlene Verdünnungen: WB 1:1000-1:4000 IP 0.5-4.0 µg für IP und 1:500-1:2000 für WB
Wirt: Kaninchen	Vollständiger Name: protein kinase, AMP-activated, gamma 1 non-catalytic subunit	IHC 1:20-1:200 IF 1:50-1:500
Isotyp: IgG	Berechnete Masse: 38 kDa	
Immunogen Katalognummer: AG0302	Beobachtete Masse: 35-38 kDa	

Anwendungen

Geprüfte Anwendungen:

IF, IHC, IP, WB, ELISA

In Publikationen genannte Anwendungen:

WB

Getestete Reaktivität:

Human

Zitierte Arten:

Human

Positivkontrollen:

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

IP : K-562-Zellen,

IHC : humanes Hodengewebe, humanes Skelettmuskelgewebe

IF : HeLa-Zellen,

Hinweis-IHC: Antigenmaskierung mit TE-Puffer pH 9,0 empfohlen. (*) Wahlweise kann die Antigenmaskierung auch mit Citratpuffer pH 6,0 erfolgen.

Hintergrundinformationen

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 a 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 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.

Bemerkenswerte Veröffentlichungen

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

Lagerung

Lagerungsbedingungen:

Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil

Lagerungspuffer:

PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.

Aliquotieren ist nicht notwendig bei -20°C Lagerung

***** 20ul-Größen enthalten 0.1% BSA**

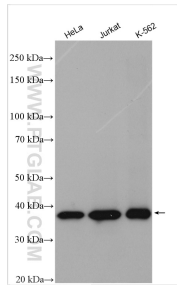
For technical support and original validation data for this product please contact:

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

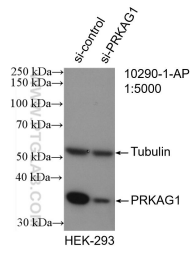
E: proteintech@ptglab.com
W: ptglab.com

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

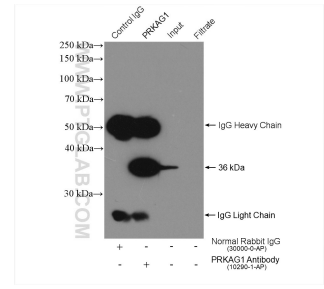
Ausgewählte Validierungsdaten



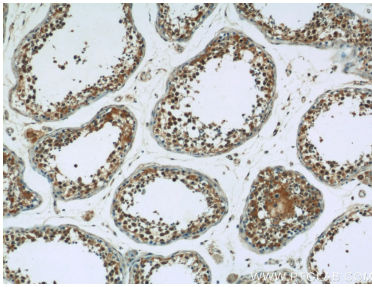
Various lysates were subjected to SDS PAGE followed by western blot with 10290-1-AP (AMPK Gamma 1 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



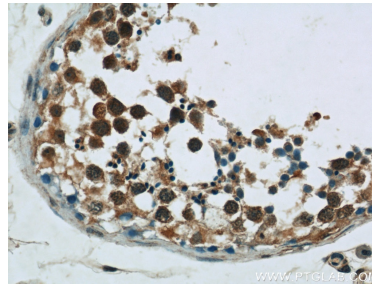
WB result of AMPK Gamma 1 antibody (10290-1-AP; 1:5000; incubated at room temperature for 1.5 hours) with sh-Control and sh-AMPK Gamma 1 transfected HEK-293 cells.



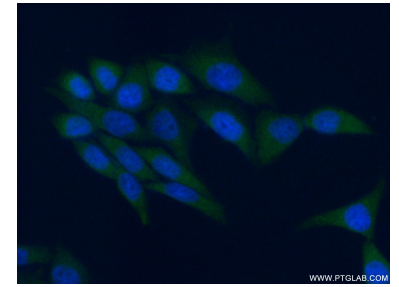
IP result of anti-AMPK Gamma 1 (IP:10290-1-AP, 4ug; Detection:10290-1-AP 1:1000) with K-562 cells lysate 3680 ug.



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).