

À des fins de recherche uniquement

Anticorps Polyclonal de lapin anti-GCK



Numéro de catalogue: 15629-1-AP

Phare

2 Publications

Informations de base

Numéro de catalogue:

15629-1-AP

Numéro d'acquisition GenBank:

BC001890

Méthode de purification:

Purification par affinité contre l'antigène

Taille:

150ul, Concentration: 550 µg/ml by Nanodrop and 333 µg/ml by Bradford method using BSA as the standard;

Identification du gène (NCBI):

2645

Dilutions recommandées:

WB 1:1000-1:6000

IP 0.5-4.0 ug for IP and 1:500-1:1000 for WB

IHC 1:50-1:500

Hôte:

Lapin

MW calculé

52 kDa

Isotype:

IgG

MW observés:

52 kDa

Immunogen Catalog Number:

AG7904

Applications

Applications testées:

IHC, IP, WB, ELISA

Demandes citées:

WB

Spécificité de l'espèce:

Humain, porc, rat, souris

Espèces citées:

souris

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

Contrôles positifs:

WB : tissu hépatique de souris, tissu hépatique de porc, tissu hépatique de rat

IP : tissu hépatique de souris,

IHC : tissu de cancer du foie humain,

Informations générales

Glucokinase (GCK) is a structurally and functionally unique member of hexokinase family. It is expressed only in mammalian liver and pancreatic islet beta cells. Because of its unique functional characteristics, the enzyme plays an important regulatory role in glucose metabolism. The rate of glucose metabolism in liver and pancreas is a function of the activity of the enzyme (PMID:1740341). Moreover, GCK has been found to have relationship with diabetes. Defects in GCK are the cause of maturity-onset diabetes of the young type 2 (MODY2) and familial hyperinsulinemic hypoglycemia type 3 (HHF3). It has 3 isoforms produced by alternative splicing with the same molecular mass of 52 kDa. The western blotting results of human cells we tested are not well, therefore, we do not recommend it to customers who would like to do WB involved in human.

Publications notables

Autrice	Pubmed ID	Journal	Application
Jose A Godoy-Lugo	35921918	Mol Cell Endocrinol	WB
Asami Furukawa	34382357	J Diabetes Investig	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.

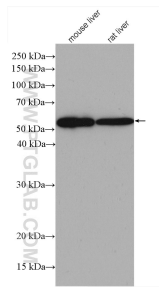
For technical support and original validation data for this product please contact:

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

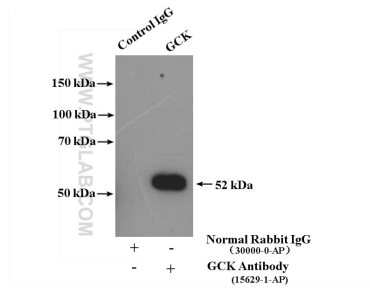
E: proteintech@ptglab.com
W: ptglab.com

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

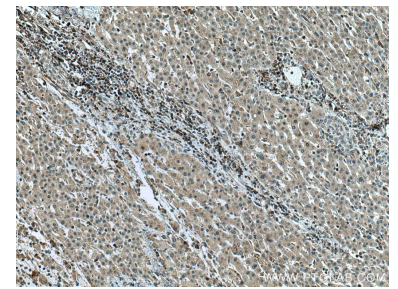
Données de validation sélectionnées



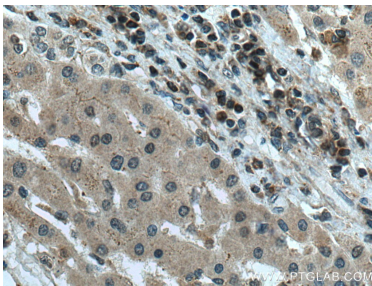
Various lysates were subjected to SDS PAGE followed by western blot with 15629-1-AP (GCK antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



IP Result of anti-GCK (IP:15629-1-AP, 4ug; Detection:15629-1-AP 1:500) with mouse liver tissue lysate 7000ug.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 15629-1-AP (GCK 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 liver cancer tissue slide using 15629-1-AP (GCK antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).