

À des fins de recherche uniquement

Anticorps Polyclonal de lapin anti-GCK



Numéro de catalogue: 19666-1-AP

Phare

18 Publications

Informations de base

Numéro de catalogue:

19666-1-AP

Taille:

150ul, Concentration: 400 µg/ml by Nanodrop;

Hôte:

Lapin

Isotype:

IgG

Immunogen Catalog Number:

AG8116

Numéro d'acquisition GenBank:

BC001890

Identification du gène (NCBI):

2645

Nom complet:

glucokinase (hexokinase 4)

MW calculé

52 kDa

MW observés:

52 kDa

Méthode de purification:

Purification par affinité contre l'antigène

Dilutions recommandées:

WB 1:1000-1:4000

IP 0.5-4.0 µg for IP and 1:1000-1:8000 for WB

IHC 1:100-1:400

Applications

Applications testées:

IHC, IP, WB, ELISA

Demandes citées:

FC, IF, IHC, WB

Spécificité de l'espèce:

Humain, rat, souris

Espèces citées:

rat, souris

Contrôles positifs:

WB : tissu hépatique de souris, tissu hépatique de rat

IP : tissu hépatique de souris,

IHC : tissu hépatique humain,

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

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.

Publications notables

Autrice	Pubmed ID	Journal	Application
Xiaojie Bai	34496251	Cell Rep	
Jin Wu	34687945	J Genet Genomics	WB
Cheng Liu	25397718	J Agric Food 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.

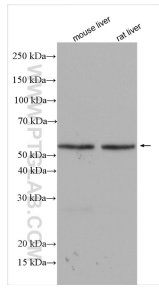
For technical support and original validation data for this product please contact:

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

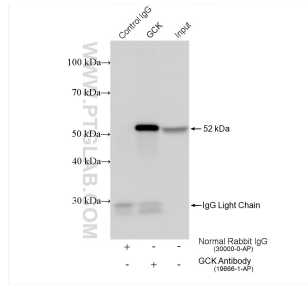
E: proteintech@ptglab.com
W: ptglab.com

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

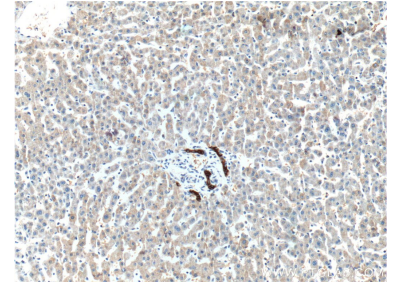
Données de validation sélectionnées



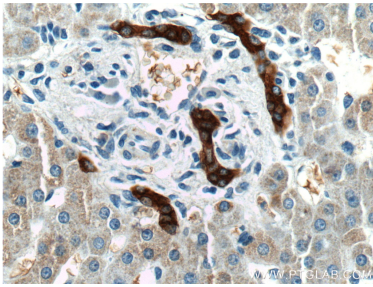
Various lysates were subjected to SDS PAGE followed by western blot with 19666-1-AP (GCK antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



IP result of anti-GCK(IP:19666-1-AP, 4ug; Detection:19666-1-AP 1:4000) with mouse liver tissue lysate 1840 ug.



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 19666-1-AP (GCK Antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 19666-1-AP (GCK Antibody) at dilution of 1:200 (under 40x lens).