À des fins de recherche uniquement

Anticorps Polyclonal de lapin anti-GYS1

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Antibodies | ELISA kits | Proteins
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Numéro de catalogue:10566-1-AP Phare 12 Publications

Informations de base

Numéro de catalogue:
10566-1-AP

Taille:
150ul , Concentration: 550 μg/ml by Nanodrop and 360 μg/ml by Bradford method using BSA as the standard;

Hôte:
Lapin

Isotype:
IgG

Immunogen Catalog Number:
AG0857

Numéro d'acquisition GenBank:
BC007688

Identification du gène (NCBI):
2997

Nom complet:
glycogen synthase 1 (muscle)

MW calculé
84 kDa

MW observés:
84 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 1:200-1:1000 for WB
IHC 1:50-1:500
IF 1:50-1:500

Applications

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

Demandes citées:
IF, IHC, WB

Spécificité de l'espèce:
Humain, rat, souris

Espèces citées:
Humain, 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 Jurkat, cellules K-562, tissu cardiaque de rat, tissu de muscle squelettique de rat, tissu de muscle squelettique de souris

IP : tissu de muscle squelettique de souris,

IHC : tissu hépatique humain, tissu de cancer de la prostate humain, tissu de muscle squelettique humain

IF : cellules HepG2,

Informations générales

GYS1(Glycogen [starch] synthase, muscle) is the the rate limiting enzyme of the insulin-induced glycogenesis, transferring glucose units from UDP-Glc to a glycogen primer. It catalyzes the linear addition of glucose residues to the branching structure of glycogen, providing a convenient store of glucose for times of metabolic need. This protein has 2 isoforms produced by alternative splicing.

Publications notables

Autrice	Pubmed ID	Journal	Application
Teresa W-M Fan	36150727	J Immunol	
Zejian Liu	36063868	Metabolism	WB
Miyuki Doi	36353228	Front Endocrinol (Lausanne)	IHC

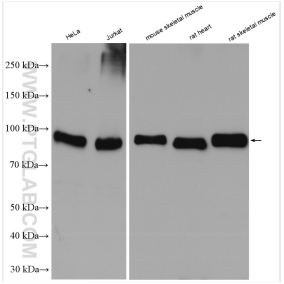
Stockage

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

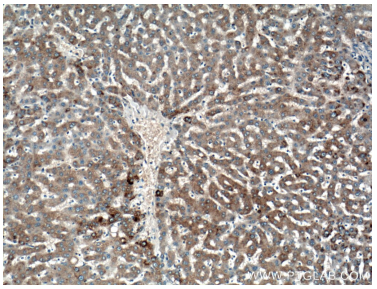
***** Les 20ul contiennent 0,1% de BSA.**

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

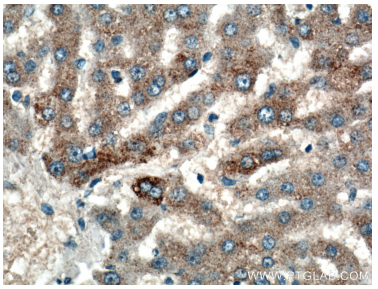
Données de validation sélectionnées



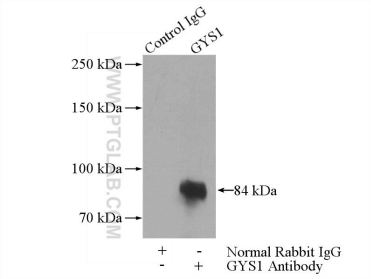
Various lysates were subjected to SDS PAGE followed by western blot with 10566-1-AP (GYS1 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



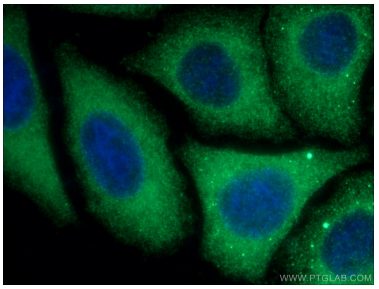
Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 10566-1-AP (GYS1 antibody) at dilution of 1:200 (under 10x lens).



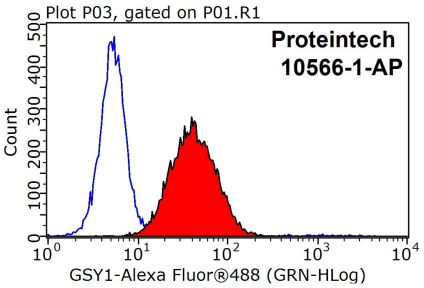
Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 10566-1-AP (GYS1 antibody) at dilution of 1:200 (under 40x lens).



IP Result of anti-GYS1 (IP:10566-1-AP, 4ug; Detection:10566-1-AP 1:300) with mouse skeletal muscle tissue lysate 2200ug.



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using 10566-1-AP (GYS1 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



1X10^6 HepG2 cells were stained with 0.2ug GYS1 antibody (10566-1-AP, red) and control antibody (blue). Fixed with 90% MeOH blocked with 3% BSA (30 min). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1000.