

À des fins de recherche uniquement

Anticorps Polyclonal de lapin anti-GlnRS



Numéro de catalogue: 12645-1-AP

Phare

3 Publications

Informations de base

Numéro de catalogue:
12645-1-AP

Taille:
150ul, Concentration: 700 µg/ml by Nanodrop and 400 µg/ml by Bradford method using BSA as the standard;

Hôte:
Lapin

Isotype:
IgG

Immunogen Catalog Number:
AG3375

Numéro d'acquisition GenBank:
BC016634

Identification du gène (NCBI):
5859

Nom complet:
glutaminyl-tRNA synthetase

MW calculé
775 aa, 88 kDa

MW observés:
88 kDa

Méthode de purification:
Purification par affinité contre l'antigène

Dilutions recommandées:
WB 1:2000-1:8000
IP 0.5-4.0 ug for IP and 1:500-1:1000 for WB
IHC 1:500-1:1500
IF 1:10-1:100

Applications

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

Demandes citées:
RIP, WB

Spécificité de l'espèce:
Humain, rat, souris

Espèces citées:
Humain

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 : cellules HeLa, cellules HepG2, cellules NIH/3T3, cellules PC-3

IP : cellules PC-3,

IHC : tissu de cancer de la prostate humain,

IF : cellules PC-3,

Informations générales

GlnRS (glutaminyl-tRNA synthetase) is a class I aminoacyl-tRNA synthetase. Aminoacyl-tRNA synthetases are enzymes that charge tRNAs with their cognate amino acids. The specificity of this reaction determines the fidelity of mRNA translation. At least 1 synthetase exists in the cytoplasm for each amino acid. GlnRS is present in eukaryotes but is absent from many prokaryotes, mitochondria, and chloroplasts, in which Gln-tRNA(Gln) is formed by transamidation of the misacylated Glu-tRNA(Gln) (PMID:8078941).

Publications notables

Autrice	Pubmed ID	Journal	Application
Xinping Lu	33073493	EMBO Rep	WB, RIP
Maria C Passarelli	35288656	Nat Cell Biol	WB
Haissi Cui	33341895	Nucleic Acids Res	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.

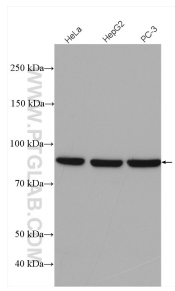
For technical support and original validation data for this product please contact:

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

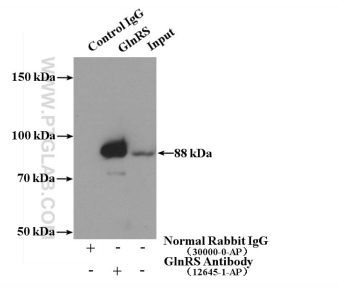
E: proteintech@ptglab.com
W: ptglab.com

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

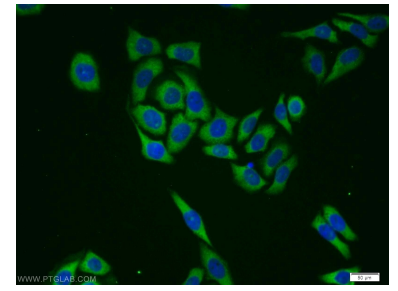
Données de validation sélectionnées



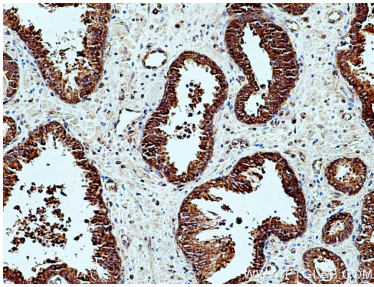
Various lysates were subjected to SDS PAGE followed by western blot with 12645-1-AP (GlnRS antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



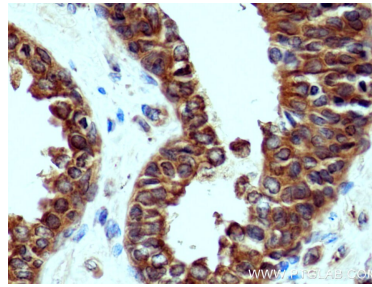
IP Result of anti-GlnRS (IP:12645-1-AP, 4ug; Detection:12645-1-AP 1:500) with PC-3 cells lysate 3200ug.



Immunofluorescent analysis of PC-3 cells using 12645-1-AP (GlnRS antibody) at dilution of 1:25 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue slide using 12645-1-AP (GlnRS antibody) at dilution of 1:600 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue slide using 12645-1-AP (GlnRS antibody) at dilution of 1:600 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).