

À des fins de recherche uniquement

Anticorps Monoclonal anti-GARS

Numéro de catalogue: **CL594-67893**



Informations de base

| | | |
|---|---|---|
| Numéro de catalogue: CL594-67893 | Numéro d'acquisition GenBank: BC007755 | Méthode de purification: Purification par protéine A |
| Taille: 100ul, Concentration: 1000 µg/ml by Nanodrop; | Identification du gène (NCBI): 2617 | CloneNo.: 2H9D3 |
| Hôte: Mouse | Nom complet: glycyl-tRNA synthetase | Dilutions recommandées: IF 1:50-1:500 |
| Isotype: IgG2a | MW calculé: 739 aa, 83 kDa | Excitation/Emission maxima wavelengths: 588 nm / 604 nm |
| Immunogen Catalog Number: AG8432 | MW observés: 75-80 kDa | |

Applications

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| Applications testées: FC (Intra), IF | Contrôles positifs: IF : cellules A431, |
| Spécificité de l'espèce: Humain, rat, souris | |

Informations générales

Glycyl-tRNA synthetase 1 (GARS, GenID:2617) is one of the aminoacyl-tRNA synthetases. It is essential for protein synthesis in all cells and tissues (PMID: 17035524) and charges tRNA molecules with glycine by catalyzing the ATP-dependent ligation of glycine to the 3'-end of its cognate tRNA via the formation of an aminoacyl-adenylate intermediate (Gly-AMP) (PMID: 17544401, PMID: 28675565, PMID: 24898252). GARS is located in cytoplasm, but also can be secreted from cells and as an extracellular protein which may influence cell signaling. Mutation of GARS causes peripheral neuropathies such as CMT2D, SMA (PMID: 26503042, PMID: 32181591), or associates with cancer. Two transcript variants encoding different isoforms have been found for this gene. The molecular weight of isoform2 is about 78 kDa.

Stockage

Stockage:
Stocker à -20 °C. Éviter toute exposition à la lumière. Stable pendant un an après l'expédition.
Tampon de stockage:
PBS avec glycérol à 50 %, Proclin300 à 0,05 % et BSA à 0,5 %, pH 7,3.
L'aliquotage n'est pas nécessaire pour le stockage à -20C

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

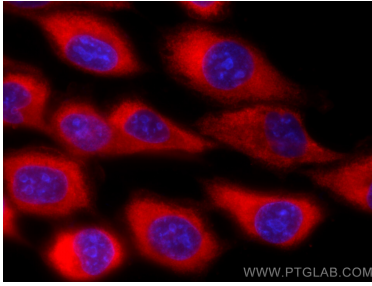
For technical support and original validation data for this product please contact:

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

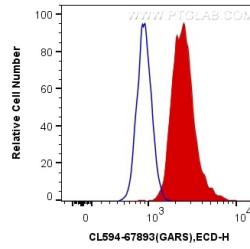
E: proteintech@ptglab.com
W: ptglab.com

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

Données de validation sélectionnées



Immunofluorescent analysis of (-20°C Methanol) fixed A431 cells using CoraLite®594 GARS antibody (CL594-67893, Clone: 2H9D3) at dilution of 1:200.



1X10⁶ A431 cells were intracellularly stained with 0.4 ug CoraLite®594 Anti-Human GARS (CL594-67893, Clone:2H9D3) (red), or 0.4 ug Mouse IgG2a Isotype Control (CL488-66360-2, Clone: K11A1B2A2) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).