

À des fins de recherche uniquement

Anticorps Monoclonal anti-P5CS

Numéro de catalogue: 68184-1-Ig



Informations de base

Numéro de catalogue: 68184-1-Ig	Numéro d'acquisition GenBank: BC106054	Méthode de purification: Purification par protéine A
Taille: 150ul , Concentration: 1000 µg/ml by Nanodrop;	Identification du gène (NCBI): 5832	CloneNo.: 3B1E11
Hôte: Mouse	Nom complet: aldehyde dehydrogenase 18 family, member A1	Dilutions recommandées: WB 1:5000-1:50000
Isotype: IgG2b	MW calculé 795 aa, 87 kDa	
Immunogen Catalog Number: AG12100	MW observés: 87 kDa	

Applications

Applications testées:
WB, ELISA

Spécificité de l'espèce:
Humain, rat, souris

Contrôles positifs:

WB : cellules U2OS, cellules A549, cellules HeLa, cellules HepG2, cellules K-562, cellules LNCaP, cellules MCF-7, tissu de côlon de rat, tissu de côlon de souris

Informations générales

Delta 1-pyrroline-5-carboxylate synthetase (P5CS), also named as GSAS, P5CS, PYCS, catalyzes the ATP and the NAD(P)H-dependent conversion of L-glutamate to glutamic gamma-semialdehyde (GSA) which is the metabolic precursor for proline biosynthesis (PMID:8761662). This protein includes 2 domains: glutamate 5-kinase and gamma-glutamyl phosphate reductase. In the N-terminal section, it belongs to the glutamate 5-kinase family and in the C-terminal section, it belongs to the gamma-glutamyl phosphate reductase family. Defects in ALDH18A1 are the cause of cutis laxa, autosomal recessive, type 3A (ARCL3A) (PMID:18478038). It has 2 isoforms produced by alternative splicing.

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.**

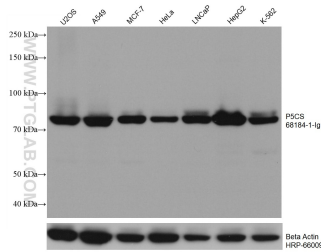
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Données de validation sélectionnées



Various lysates were subjected to SDS PAGE followed by western blot with 68184-1-Ig (P5CS antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Beta Actin Monoclonal antibody (HRP-66009) as loading control.