

À des fins de recherche uniquement

Anticorps Polyclonal de lapin anti-P5CS



Numéro de catalogue: 17719-1-AP

Phare

12 Publications

Informations de base

Numéro de catalogue:

17719-1-AP

Taille:

150ul, Concentration: 500 µg/ml by Nanodrop;

Hôte:

Lapin

Isotype:

IgG

Immunogen Catalog Number:

AG12100

Numéro d'acquisition GenBank:

BC106054

Identification du gène (NCBI):

5832

Nom complet:

aldehyde dehydrogenase 18 family, member A1

MW calculé

795 aa, 87 kDa

MW observés:

87 kDa

Méthode de purification:

Purification par affinité contre l'antigène

Dilutions recommandées:

WB 1:2000-1:16000

IP 0.5-4.0 µg for IP and 1:500-1:2000 for WB

IHC 1:50-1:500

IF 1:50-1:500

Applications

Applications testées:

IF, IHC, IP, WB, ELISA

Demandes citées:

CoIP, IF, IHC, WB

Spécificité de l'espèce:

Humain, rat, souris

Espèces citées:

Humain, souris

Contrôles positifs:

WB : cellules HEK-293T, cellules HeLa, cellules HepG2, cellules MCF-7, tissu cérébral de rat, tissu cérébral de souris

IP : tissu cérébral de souris,

IHC : tissu de cancer du sein humain,

IF : cellules A431,

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

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.

Publications notables

Autrice	Pubmed ID	Journal	Application
Wei Liu	26598224	Sci Rep	WB
Emily J Kay	35760868	Nat Metab	WB
Chunhong Cui	34283311	Amino Acids	WB,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.

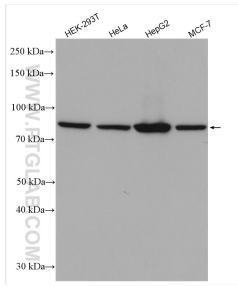
For technical support and original validation data for this product please contact:

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

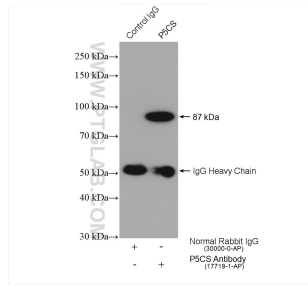
E: proteintech@ptglab.com
W: ptglab.com

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

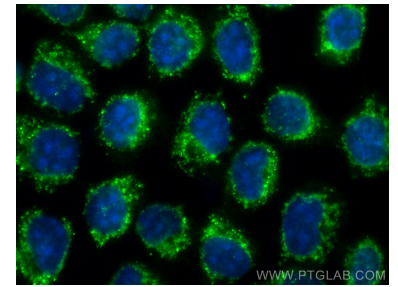
Données de validation sélectionnées



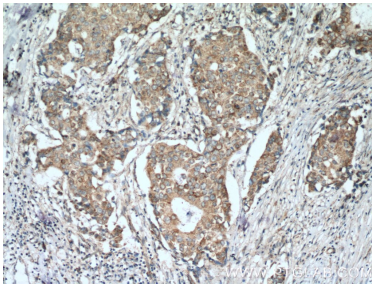
Various lysates were subjected to SDS PAGE followed by western blot with 17719-1-AP (P5CS antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.



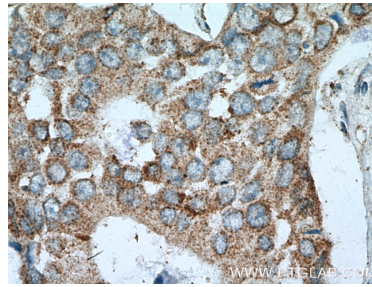
IP result of anti-P5CS (IP:17719-1-AP, 4ug; Detection:17719-1-AP 1:1000) with mouse brain tissue lysate 1600 ug.



Immunofluorescent analysis of (-20°C Methanol) fixed A431 cells using P5CS antibody (17719-1-AP) at dilution of 1:200 and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 17719-1-AP (P5CS antibody at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 17719-1-AP (P5CS antibody at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).