

À des fins de recherche uniquement

Anticorps Polyclonal de lapin anti-DARS2



Numéro de catalogue: 13807-1-AP

Phare

5 Publications

Informations de base

Numéro de catalogue: 13807-1-AP	Numéro d'acquisition GenBank: BC045173	Méthode de purification: Purification par affinité contre l'antigène
Taille: 150ul , Concentration: 300 µg/ml by Nanodrop and 133 µg/ml by Bradford method using BSA as the standard;	Identification du gène (NCBI): 55157	Dilutions recommandées: WB 1:500-1:1000 IHC 1:20-1:200
Hôte: Lapin	Nom complet: aspartyl-tRNA synthetase 2, mitochondrial	
Isotype: IgG	MW calculé 645 aa, 74 kDa	
Immunogen Catalog Number: AG4809	MW observés: 68-74 kDa, 50 kDa	

Applications

Applications testées:

IHC, WB, ELISA

Demandes citées:

IHC, WB

Spécificité de l'espèce:

Humain, rat, souris

Espèces citées:

Humain, souris

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 K-562, cellules U-937, tissu placentaire humain

IHC : tissu de gliome humain, tissu cérébral humain, tissu testiculaire humain

Informations générales

DARS2 is also named as AspRS (aspartyl-tRNA synthetase) and belongs to the class-II aminoacyl-tRNA synthetase family. The deduced 645-amino acid protein has a 47-amino acid mitochondrial targeting signal, resulting in a mature protein of 598 amino acids. DARS2 contains conserved residues involved in ATP binding, tRNA binding, and aspartic acid recognition, as well as catalytic site motifs characteristic of amino acid tRNA synthetases. It is a dimeric proteins(PMID:19443655). Rat aspartyl-tRNA synthetase has a N-terminal polypeptide extension of about 40 amino acid residues which can be removed without impairing its catalytic activity(PMID:9030747). This protein has different molecular mass(55 kDa, 50 kDa,66 kDa) according to the publications(PMID:11306575; 19443655;15299749).

Publications notables

Autrice	Pubmed ID	Journal	Application
Caroline A Hunter	31542429	Int J Biochem Cell Biol	WB
Sebastian Willenborg	34715039	Cell Metab	WB
Dominic Seiferling	27154400	EMBO Rep	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.

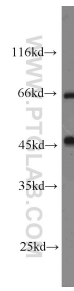
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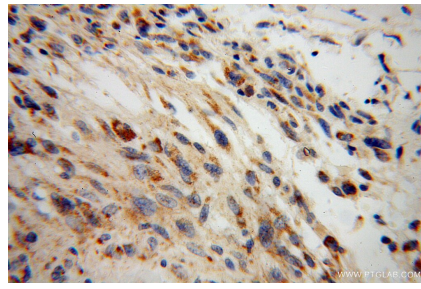
E: proteintech@ptglab.com
W: ptglab.com

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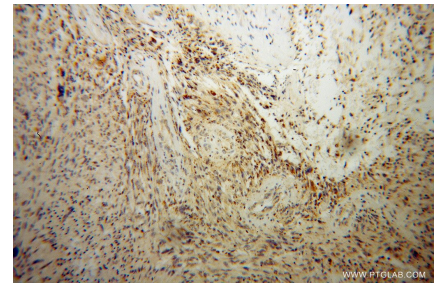
Données de validation sélectionnées



K-562 cells were subjected to SDS PAGE followed by western blot with 13807-1-AP (DARS2 antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human gliomas using 13807-1-AP (DARS2 antibody) at dilution of 1:100 (under 40x lens).



Immunohistochemical analysis of paraffin-embedded human gliomas using 13807-1-AP (DARS2 antibody) at dilution of 1:100 (under 10x lens).