

À des fins de recherche uniquement

Anticorps Polyclonal de lapin anti-MTHFD1L



Numéro de catalogue: 16113-1-AP

Phare

17 Publications

Informations de base

Numéro de catalogue:

16113-1-AP

Taille:

150ul, Concentration: 500 µg/ml by Nanodrop and 253 µg/ml by Bradford method using BSA as the standard;

Hôte:

Lapin

Isotype:

IgG

Immunogen Catalog Number:

AG9036

Numéro d'acquisition GenBank:

BC017477

Identification du gène (NCBI):

25902

Nom complet:

méthylentetrahydrofolate dehydrogenase (NADP+ dependent) 1-like

MW calculé

978 aa, 106 kDa

MW observés:

106 kDa

Méthode de purification:

Purification par affinité contre l'antigène

Dilutions recommandées:

WB 1:2000-1:10000

IP 0.5-4.0 ug 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:

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 HEK-293, cellules COLO 320, cellules HeLa, cellules HepG2, tissu ovarien de souris

IP : cellules HeLa,

IHC : tissu de cancer du foie humain,

IF : cellules HepG2,

Informations générales

MTHFD1L (Monofunctional C1-tetrahydrofolate synthase, mitochondrial) is also named as FTHFSDC1 (Formyltetrahydrofolate synthetase). MTHFD1L enzyme is present in mitochondria from normal embryonic tissues and embryonic fibroblast cell lines, and embryonic mitochondria possess the ability to synthesize formate from glycine. It catalyzes the final step in the mitochondrial conversion of 1-C units to formate in embryos. Moreover, MTHFD1L levels were substantially higher in embryonic mitochondria than in adult liver mitochondria and embryonic mitochondria exhibited greater formate production (PMID:19948730). It has 2 isoforms produced by alternative splicing.

Publications notables

Autrice	Pubmed ID	Journal	Application
Costas Koufaris	30275950	Cancer Metab	WB
Li Cui	34533844	J Pineal Res	WB, IHC
Saara Forsström	31523008	Cell Metab	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.

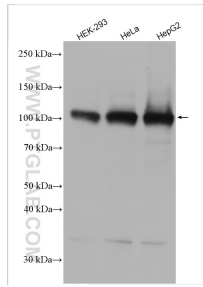
For technical support and original validation data for this product please contact:

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

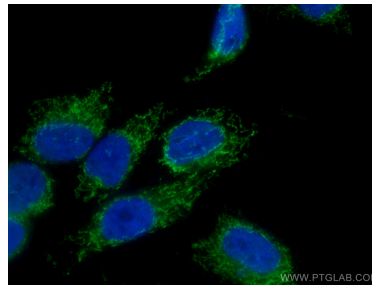
E: proteintech@ptglab.com
W: ptglab.com

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

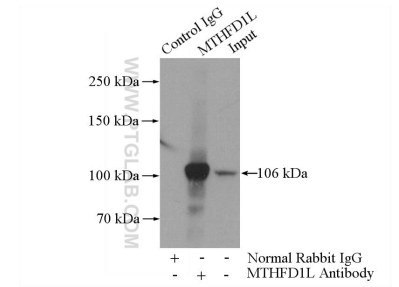
Données de validation sélectionnées



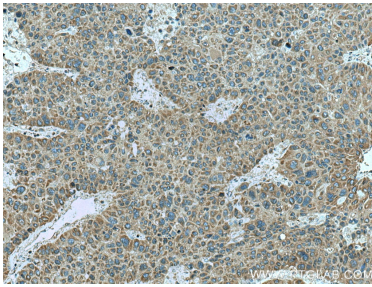
Various lysates were subjected to SDS PAGE followed by western blot with 16113-1-AP (MTHFD1L antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



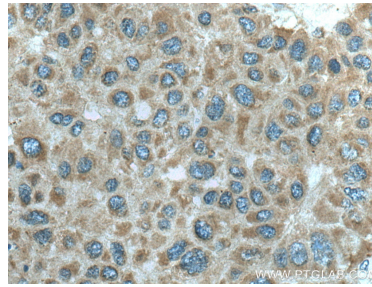
Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using 16113-1-AP (MTHFD1L antibody) at dilution of 1:100 and CoraLite488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



IP Result of anti-MTHFD1L (IP:16113-1-AP, 4ug; Detection:16113-1-AP 1:1000) with HeLa cells lysate 2000ug.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 16113-1-AP (MTHFD1L 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 liver cancer tissue slide using 16113-1-AP (MTHFD1L antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).