

À des fins de recherche uniquement

Anticorps Monoclonal anti-PDH E1 Alpha



Numéro de catalogue: 66119-1-Ig

Phare

7 Publications

Informations de base

Numéro de catalogue: 66119-1-Ig	Numéro d'acquisition GenBank: BC002406	Méthode de purification: Purification par protéine A
Taille: 150ul, Concentration: 2400 µg/ml by Nanodrop and 1867 µg/ml by Bradford method using BSA as the standard;	Identification du gène (NCBI): 5160	CloneNo.: 2B3C10
Hôte: Mouse	Nom complet: pyruvate dehydrogenase (lipoamide) alpha 1	Dilutions recommandées: WB 1:5000-1:50000 IP 0.5-4.0 ug for IP and 1:5000-1:50000 for WB
Isotype: IgG2a	MW calculé: 43 kDa	IHC 1:400-1:1600 IF 1:20-1:200
Immunogen Catalog Number: AG12556	MW observés: 43 kDa	

Applications

Applications testées:
FC, IF, IHC, IP, WB, ELISA

Demandes citées:
IF, IP, WB

Spécificité de l'espèce:
Humain

Espèces citées:
Humain

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 HEK293

IP : cellules HEK-293,

IHC : tissu de cancer du foie humain, tissu cardiaque humain, tissu hépatique humain

IF : cellules HepG2,

Informations générales

PDHA1(Pyruvate dehydrogenase E1 component subunit alpha, somatic form, mitochondrial) is also named as PHE1A. It is one of the 3 enzymes of the pyruvate dehydrogenase complex which is a nuclear-encoded mitochondrial matrix multienzyme complex that provides the primary link between glycolysis and the tricarboxylic acid (TCA) cycle by catalyzing the irreversible conversion of pyruvate into acetyl-CoA (PMID:7853374). It has 4 isoforms produced by alternative splicing. Defects in PDHA1 are a cause of pyruvate dehydrogenase E1-alpha deficiency (PDHAD) and X-linked Leigh syndrome (X-LS).

Publications notables

Autrice	Pubmed ID	Journal	Application
Jin-Long Pang	34537213	Toxicol Appl Pharmacol	WB
Xiao Yu Ma	25301052	Nat Commun	WB
Yajuan Zhang	35315437	Nat Metab	WB, IF

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.

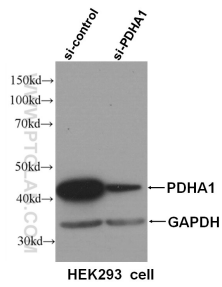
For technical support and original validation data for this product please contact:

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

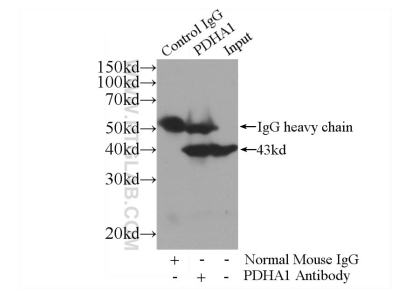
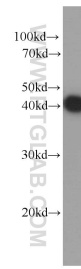
This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Données de validation sélectionnées

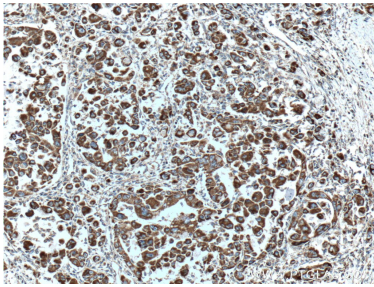


WB result of PDHA1 antibody (66119-1-Ig, 1:30000) with si-control and si-PDHA1 transfected HEK293 cells.

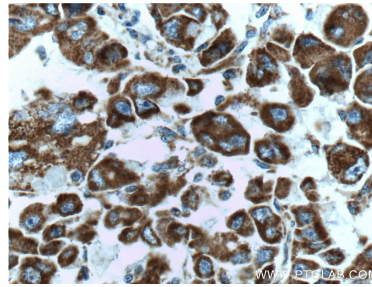
HEK-293 cells were subjected to SDS PAGE followed by western blot with 66119-1-Ig (PDH E1 α antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



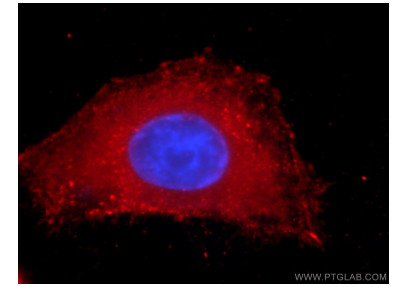
IP Result of anti-PDH E1 α (IP:66119-1-Ig, 3ug; Detection:66119-1-Ig 1:10000) with HEK-293 cells lysate 1800ug.



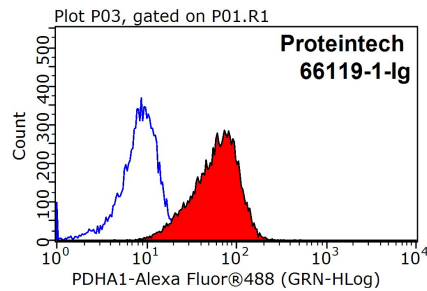
Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 66119-1-Ig (PDH E1 α antibody) at dilution of 1:800 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 66119-1-Ig (PDH E1 α antibody) at dilution of 1:800 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of HepG2 cells using 66119-1-Ig (PDH E1 α antibody) at dilution of 1:100 and Rhodamine-Goat anti-Mouse IgG.



1X10⁶ HepG2 cells were stained with .2ug PDH E1 α antibody (66119-1-Ig, red) and control antibody (blue). Fixed with 90% MeOH blocked with 3% BSA (30 min). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Mouse IgG(H+L) with dilution 1:1000.