

Nur für Forschungszwecke

PDH E1 Alpha Monoklonaler Antikörper



Katalog-Nr.: 66119-1-Ig

Vorgestelltes Produkt

7 Publikationen

Allgemeine Informationen

Katalog-Nr.:

66119-1-Ig

Größe:

150ul, Konzentration: 2400 µg/ml von 5160

Nanodrop und 1867 µg/ml durch die Bradford-Methode mit BSA als Standard;

Wirt:

Maus

Isotyp:

IgG2a

Immunogen Katalognummer:

AG12556

GenBank-Zugangsnummer:

BC002406

GeneID (NCBI):

5160

Vollständiger Name:

pyruvate dehydrogenase (lipoamide) alpha 1

Berechnete Masse:

43 kDa

Beobachtete Masse:

43 kDa

Reinigungsmethode:

Protein-A-Reinigung

CloneNo.:

2B3C10

Empfohlene Verdünnungen:

WB 1:5000-1:50000

IP 0.5-4.0 µg für IP und 1:5000-1:50000

für WB

IHC 1:400-1:1600

IF 1:20-1:200

Anwendungen

Geprüfte Anwendungen:

FC, IF, IHC, IP, WB, ELISA

In Publikationen genannte Anwendungen:

IF, IP, WB

Getestete Reaktivität:

Human

Zitierte Arten:

Human

Hinweis-IHC: Antigenmaskierung mit TE-Puffer pH 9,0 empfohlen. (*) Wahlweise kann die Antigenmaskierung auch mit Citratpuffer pH 6,0 erfolgen.

Positivkontrollen:

WB : HEK-293-Zellen, HEK293 cells

IP : HEK-293-Zellen,

IHC : humanes Leberkarzinomgewebe, humanes Herzgewebe, humanes Lebergewebe

IF : HepG2-Zellen,

Hintergrundinformationen

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).

Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Jin-Long Pang	34537213	Toxicol Appl Pharmacol	WB
Xiaoyu Ma	25301052	Nat Commun	WB
Yajuan Zhang	35315437	Nat Metab	WB,IF

Lagerung

Lagerungsbedingungen:

Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil

Lagerungspuffer:

PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.

Aliquotieren ist nicht notwendig bei -20°C Lagerung

*** 20ul-Größen enthalten 0.1% BSA

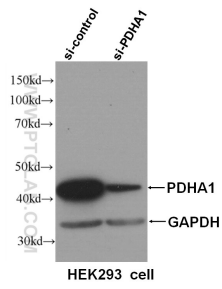
For technical support and original validation data for this product please contact:

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

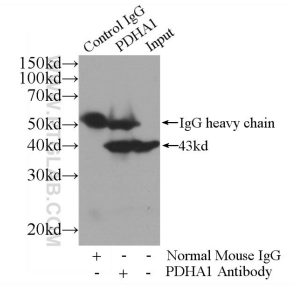
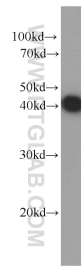
This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Ausgewählte Validierungsdaten

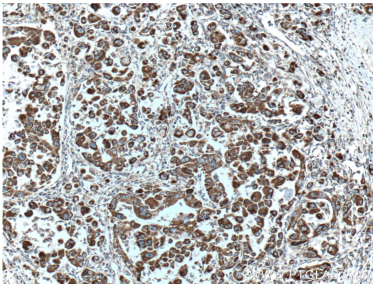


WB result of PDHA1 antibody (66119-1-Ig, 1:30000) with si-control and si-PDHA1 transfected HEK293 cells.

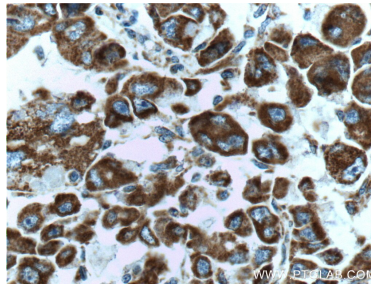
HEK-293 cells were subjected to SDS PAGE followed by western blot with 66119-1-Ig (PDH E1 α antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



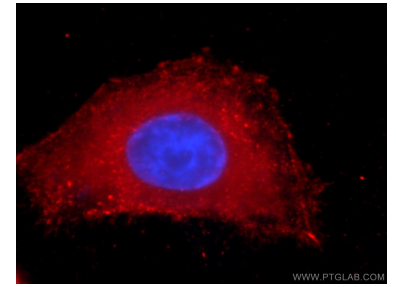
IP Result of anti-PDH E1 α (IP:66119-1-Ig, 3ug; Detection:66119-1-Ig 1:10000) with HEK-293 cells lysate 1800ug.



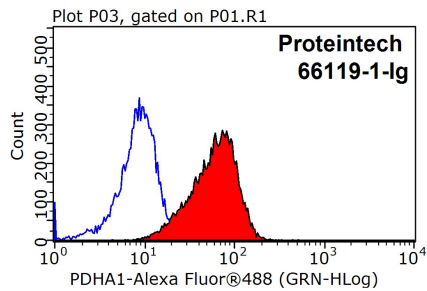
Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 66119-1-Ig (PDH E1 α antibody) at dilution of 1:800 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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.