

Nur für Forschungszwecke

NDUFS1 Polyklonaler Antikörper

Katalog-Nr.:12444-1-AP

Vorgestelltes Produkt

59 Publikationen



Allgemeine Informationen

Katalog-Nr.:
12444-1-AP

Größe:
150ul, Konzentration: 450 µg/ml von
Nanodrop;

Wirt:
Kaninchen

Isotyp:
IgG

Immunogen Katalognummer:
AG3135

GenBank-Zugangsnummer:
BC030833

GeneID (NCBI):
4719

Vollständiger Name:
NADH dehydrogenase (ubiquinone)
Fe-S protein 1, 75kDa (NADH-
coenzyme Q reductase)

Berechnete Masse:
727 aa, 79 kDa

Beobachtete Masse:
74-81 kDa

Reinigungsmethode:

Antigen-Affinitätsreinigung

Empfohlene Verdünnungen:

WB 1:2000-1:10000

IP 0.5-4.0 µg für IP und 1:500-1:1000

für WB

IHC 1:250-1:1000

IF 1:50-1:500

Anwendungen

Geprüfte Anwendungen:

IF, IHC, IP, WB, ELISA

In Publikationen genannte Anwendungen:

CoIP, IF, IHC, WB

Getestete Reaktivität:

Human, Maus, Ratte

Zitierte Arten:

Drosophila, Human, Maus, Ratte, Zebrafisch

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

Positivkontrollen:

WB: Mausnierengewebe, A549-Zellen, HEK-293-Zellen, HeLa-Zellen, Mauslebergewebe, Rattennierengewebe

IP: Mauslungengewebe,

IHC: humanes Leberkarzinomgewebe,

IF: HepG2-Zellen, HeLa-Zellen

Hintergrundinformationen

The multisubunit NADH:ubiquinone oxidoreductase (75 kDa subunit, mitochondrial)(NDUFS1) is the first enzyme complex in the electron transport chain of mitochondria. It is also named as Complex I-75kD. By use of chaotropic agents, complex I can be fragmented into 3 different fractions: a flavoprotein fraction, an iron-sulfur protein (IP) fraction, and a hydrophobic protein (HP) fraction. NDUFS1 is the largest subunit of complex I and it is a component of the iron-sulfur (IP) fragment of the enzyme. NDUFS1 has some isoforms with the molecular mass of 68-81 kDa.

Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Shao-Ming Shen	26415504	EMBO Rep	WB
Yang Ni	31557978	Cells	WB
Rufeng Zhang	31530015	FASEB J	WB

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

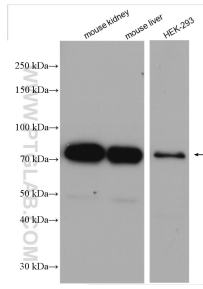
For technical support and original validation data for this product please contact:

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

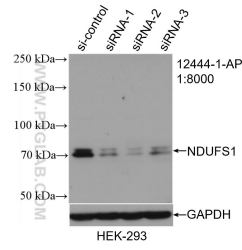
E: proteintech@ptglab.com
W: ptglab.com

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

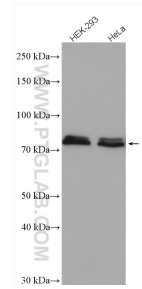
Ausgewählte Validierungsdaten



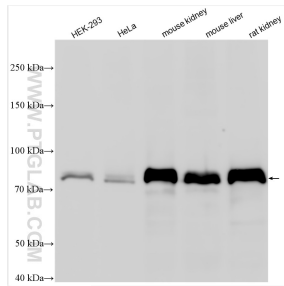
Various lysates were subjected to SDS PAGE followed by western blot with 12444-1-AP (NDUFS1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



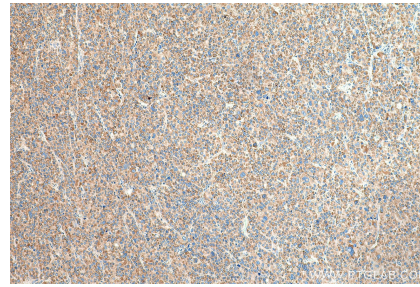
WB result of NDUFS1 antibody (12444-1-AP; 1:8000; incubated at room temperature for 1.5 hours) with sh-Control and sh-NDUFS1 transfected HEK-293 cells.



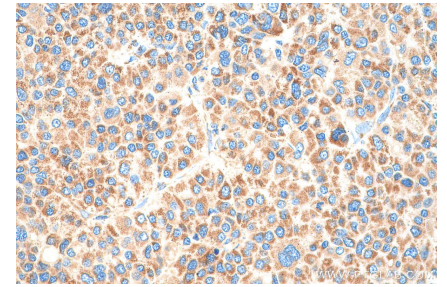
Various lysates were subjected to SDS PAGE followed by western blot with 12444-1-AP (NDUFS1 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



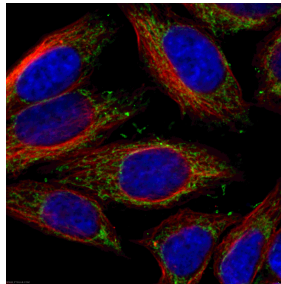
Various lysates were subjected to SDS PAGE followed by western blot with 12444-1-AP (NDUFS1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



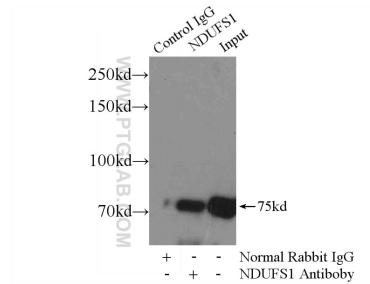
Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 12444-1-AP (NDUFS1 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 12444-1-AP (NDUFS1 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed HeLa cells stained for NDUFS1 rabbit pAb (12444-1-AP) at dilution of 1:50 and alpha Tubulin mouse mAb (66031-1-Ig) at dilution of 1:100, further stained with Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) for 12444-1-AP, and Alexa Fluor 594-conjugated AffiniPure Goat Anti-mouse IgG (H+L) for 66031-1-Ig. .



IP Result of anti-NDUFS1 (IP:12444-1-AP, 4ug; Detection:12444-1-AP 1:500) with mouse lung tissue lysate 2800ug.