

For Research Use Only

NDUFB11 Polyclonal antibody

Catalog Number: 16720-1-AP

Featured Product

12 Publications



Basic Information

Catalog Number:

16720-1-AP

Size:

150ul, Concentration: 350 ug/ml by Nanodrop and 313 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG10159

GenBank Accession Number:

BC107805

GeneID (NCBI):

54539

UNIPROT ID:

Q9NX14

Full Name:

NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 11, 17.3kDa

Calculated MW:

163 aa, 18 kDa

Observed MW:

18-20 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:4000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:50-1:500

IF/ICC 1:50-1:500

Applications

Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse

Positive Controls:

WB : HepG2 cells, mouse skeletal muscle tissue, rat skeletal muscle tissue

IP : mouse skeletal muscle tissue,

IHC : human kidney tissue,

IF/ICC : HepG2 cells,

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Background Information

NDUFB11(NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 11, mitochondrial) is also named as neuronal protein 17.3(Np17.3) and belongs to the complex I NDUFB11 subunit family. This protein is involved in the transfer of electrons from NADH to the respiratory chain and play a role in the growth, maintenance, and survival of neurons. NDUFB11 has 2 isoforms produced by alternative splicing.

Notable Publications

Author	Pubmed ID	Journal	Application
Vanessa A van Rahden	25772934	Am J Hum Genet	WB
Yanchun Ji	32723871	J Biol Chem	WB
Michela Di Nottia	27460976	Clin Genet	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

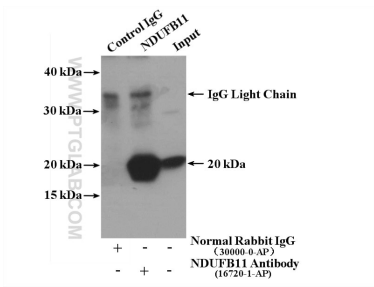
For technical support and original validation data for this product please contact:

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

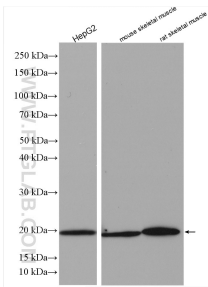
E: proteintech@ptglab.com
W: ptglab.com

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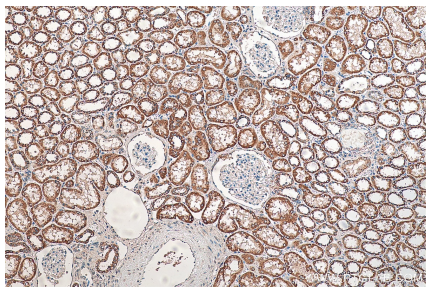
Selected Validation Data



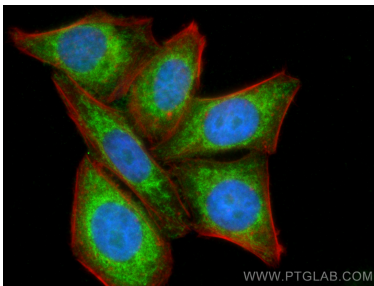
IP result of anti-NDUFB11 (IP:16720-1-AP, 4ug; Detection:16720-1-AP 1:500) with mouse skeletal muscle tissue lysate 4000 ug.



HepG2 cells were subjected to SDS PAGE followed by western blot with 16720-1-AP (NDUFB11 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 16720-1-AP (NDUFB11 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using NDUFB11 antibody (16720-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), (CL594-Phalloidin, red).