

For Research Use Only

NDUFS6 Polyclonal antibody

Catalog Number: 14417-1-AP

9 Publications



Basic Information

Catalog Number:

14417-1-AP

Size:

150ul, Concentration: 500 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG5762

GenBank Accession Number:

BC046155

GeneID (NCBI):

4726

UNIPROT ID:

O75380

Full Name:

NADH dehydrogenase (ubiquinone)
Fe-S protein 6, 13kDa (NADH-coenzyme Q reductase)

Calculated MW:

14 kDa

Observed MW:

13 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:5000

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

IHC 1:250-1:1000

IF/ICC 1:200-1:800

Applications

Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, rat

Positive Controls:

WB: HeLa cells, rat liver tissue, human liver tissue, human heart tissue, mouse heart tissue, mouse liver tissue

IP: mouse liver tissue,

IHC: mouse brain 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

NDUFS6(NADH dehydrogenase [ubiquinone] iron-sulfur protein 6, mitochondrial) is also named as 1CI-13kD-A, NADH-ubiquinone oxidoreductase 13 kDa-A subunit and belongs to the complex I NDUFS6 subunit family. It is an accessory subunit of the mitochondrial membrane respiratory chain NADH dehydrogenase (Complex I), that is believed not to be involved in catalysis.

Notable Publications

Author	Pubmed ID	Journal	Application
Rufeng Zhang	31530015	FASEB J	WB
Yueh-Lin Tsai	32381627	Genes Dev	
Yanting You	28677739	Mol. Med Rep	WB

Storage

Storage:

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

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

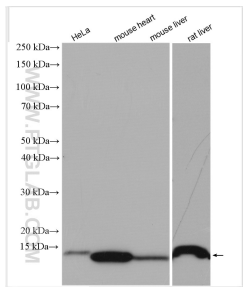
For technical support and original validation data for this product please contact:

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

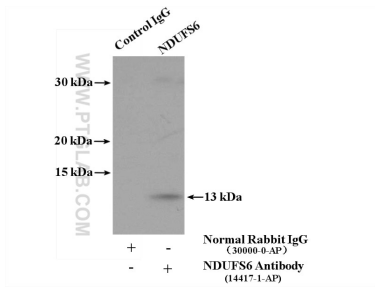
E: proteintech@ptglab.com
W: ptglab.com

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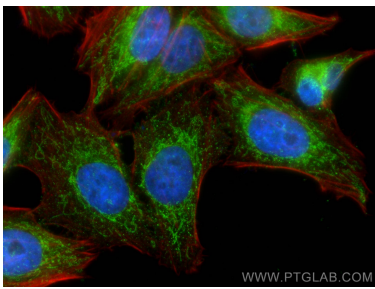
Selected Validation Data



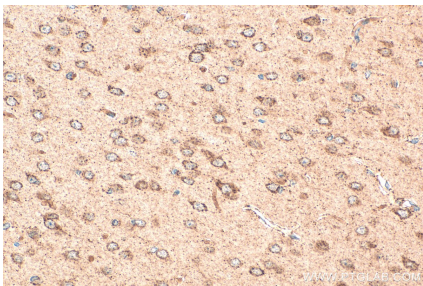
Various lysates were subjected to SDS PAGE followed by western blot with 14417-1-AP (NDUFS6 antibody) at dilution of 1:2500 incubated at room temperature for 1.5 hours.



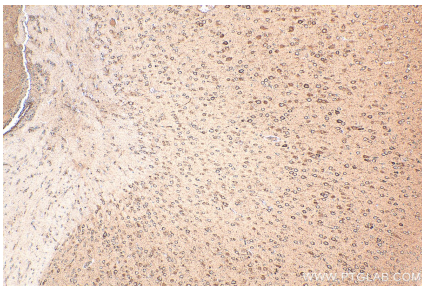
IP result of anti-NDUFS6 (IP:14417-1-AP, 4ug; Detection:14417-1-AP 1:300) with mouse liver tissue lysate 3200 ug.



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using NDUFS6 antibody (14417-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 14417-1-AP (NDUFS6 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 14417-1-AP (NDUFS6 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).