

For Research Use Only

NDUFB2 Polyclonal antibody

Catalog Number: 17614-1-AP

1 Publications



Basic Information

Catalog Number:

17614-1-AP

Size:

150ul, Concentration: 400 ug/ml by Nanodrop and 267 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG11789

GenBank Accession Number:

BC063026

GeneID (NCBI):

4708

UNIPROT ID:

O95178

Full Name:

NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 2, 8kDa

Calculated MW:

95 aa, 11 kDa

Observed MW:

8-12 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

IHC 1:50-1:500

IF/ICC 1:200-1:800

Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse, rat

Cited Species:

mouse

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

Positive Controls:

WB: HEK-293T cells, mouse spleen tissue, human heart tissue, mouse heart tissue, rat heart tissue, HuH-7 cells, MCF-7 cells, mouse brain tissue, mouse kidney tissue

IHC: mouse brain tissue, human heart tissue, human kidney tissue, human skin tissue, human liver tissue, human ovary tissue, human brain tissue

IF/ICC: C2C12 cells,

Background Information

The multisubunit NADH:ubiquinone oxidoreductase (complex I) is the first enzyme complex in the electron transport chain of mitochondria. NDUFB2, also named as CI-AGGG, is a nuclear encoded subunit located in the hydrophobic protein fraction of complex I (PMID:9878551). It may have a role in the regulation of molecular changes during the global cardiac ischemia/reperfusion injury during cardiopulmonary bypass (CPB). The full length 12 kDa protein has a transit peptide with 33 amino acids.

Notable Publications

Author	Pubmed ID	Journal	Application
Zhenya Guo	38994365	Front Immunol	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

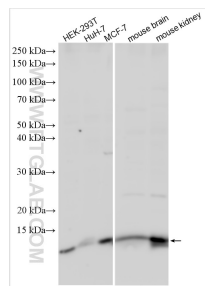
For technical support and original validation data for this product please contact:

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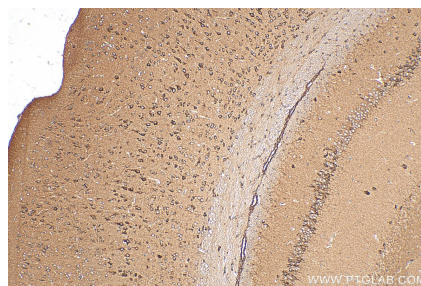
E: proteintech@ptglab.com
W: ptglab.com

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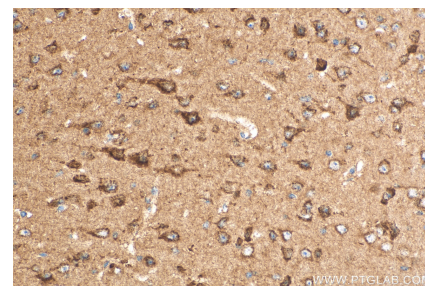
Selected Validation Data



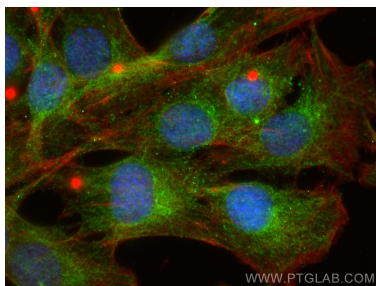
Various lysates were subjected to SDS PAGE followed by western blot with 17614-1-AP (NDUFB2 antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 17614-1-AP (NDUFB2 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 17614-1-AP (NDUFB2 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed C2C12 cells using NDUFB2 antibody (17614-1-AP) at dilution of 1:400 and Multi-rAb CoraLite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002), CLS94-phalloidin (red).