

For Research Use Only

NDUFB2 Polyclonal antibody

Catalog Number: 17614-1-AP **1 Publications**



Basic Information

Catalog Number: 17614-1-AP	GenBank Accession Number: BC063026	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 400 ug/ml by Nanodrop and 267 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 4708	Recommended Dilutions: WB 1:500-1:1000 IHC 1:50-1:500 IF/ICC 1:200-1:800
Source: Rabbit	UNIPROT ID: O95178	
Isotype: IgG	Full Name: NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 2, 8kDa	
Immunogen Catalog Number: AG11789	Calculated MW: 95 aa, 11 kDa	
	Observed MW: 8-12 kDa	

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

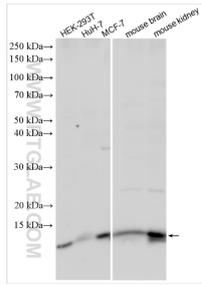
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

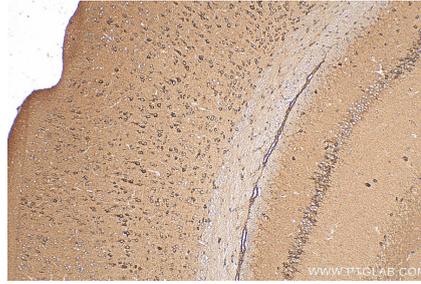
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

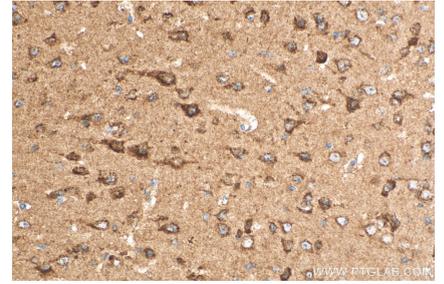
Selected Validation Data



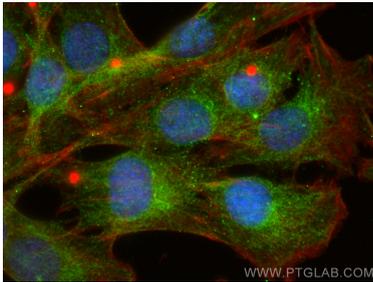
Various lysates were subjected to SDS PAGE followed by western blot with 17614-1-AP (NDUFB2 antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



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), CL594-phalloidin (red).