

For Research Use Only

# NDUFB2 Polyclonal antibody

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



## Basic Information

<b>Catalog Number:</b> 17614-1-AP	<b>GenBank Accession Number:</b> BC063026	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 400 µg/ml	<b>GeneID (NCBI):</b> 4708	<b>Recommended Dilutions:</b> WB 1:500-1:1000 IHC 1:50-1:500 IF/ICC 1:200-1:800
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> O95178	
<b>Isotype:</b> IgG	<b>Full Name:</b> NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 2, 8kDa	
<b>Immunogen Catalog Number:</b> AG11789	<b>Calculated MW:</b> 95 aa, 11 kDa	
	<b>Observed MW:</b> 8-12 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, IF/ICC, ELISA	<b>Positive Controls:</b> <b>WB :</b> 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
<b>Cited Applications:</b> WB	<b>IHC :</b> mouse brain tissue, human heart tissue, human kidney tissue, human skin tissue, human liver tissue, human ovary tissue, human brain tissue
<b>Species Specificity:</b> human, mouse, rat	<b>IF/ICC :</b> C2C12 cells,
<b>Cited Species:</b> mouse	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## 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 C1-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

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

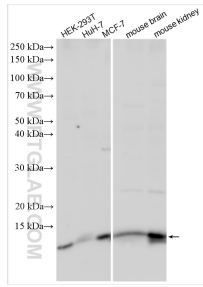
T: 4006900926

E: Proteintech-CN@ptglab.com

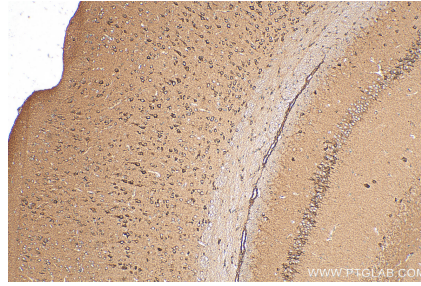
W: ptgcn.com

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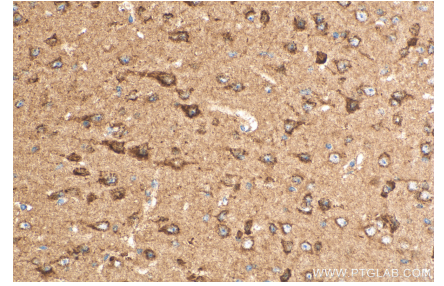
## Selected Validation Data



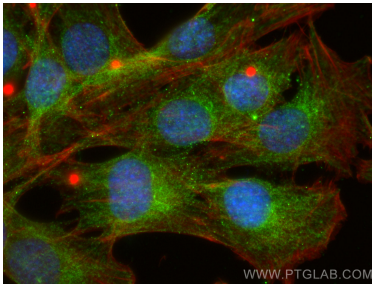
Various lysates were subjected to SDS PAGE followed by western blot with 17614-1-AP (NDUFB2 antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



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), CL594-phalloidin (red).