

For Research Use Only

NDUFB2 Polyclonal antibody

Catalog Number: 17614-1-AP



Basic Information

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

Applications

Tested Applications:

IHC, WB, ELISA

Species Specificity:

human, mouse, rat

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

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.

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

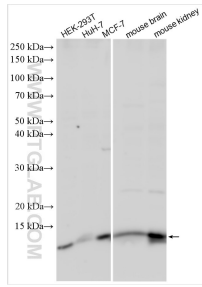
For technical support and original validation data for this product please contact:

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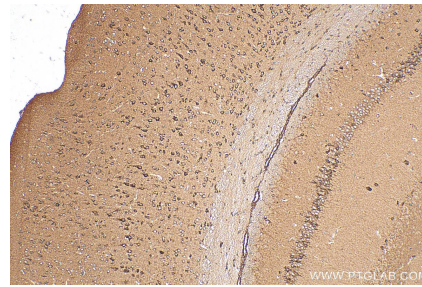
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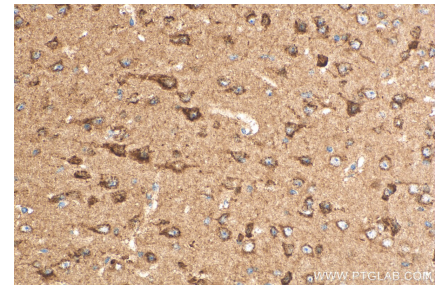
Selected Validation Data



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).