

For Research Use Only

NDUFV2 Monoclonal antibody

Catalog Number: 68150-1-Ig



Basic Information

Catalog Number: 68150-1-Ig	GenBank Accession Number: BC001632	Purification Method: Protein G purification
Size: 1000 µg/ml	GeneID (NCBI): 4729	CloneNo.: 3B4A5
Source: Mouse	UNIPROT ID: P19404	Recommended Dilutions: WB 1:5000-1:50000 IHC 1:500-1:2000
Isotype: IgG1	Full Name: NADH dehydrogenase (ubiquinone) flavoprotein 2, 24kDa	
Immunogen Catalog Number: AG7760	Calculated MW: 27 kDa	
	Observed MW: 24-27 kDa	

Applications

Tested Applications:

IHC, WB, ELISA

Species Specificity:

Human, Mouse, Rat, Rabbit, Pig, Chicken

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: Jurkat cells, chicken heart tissue, HeLa cells, pig brain tissue, rabbit brain tissue, rat brain tissue, mouse brain tissue

IHC: mouse heart tissue,

Background Information

The NDUFV2 gene encodes the 24-kD subunit of the mitochondrial NADH: ubiquinone oxidoreductase (complex I of the respiratory chain). The protein belongs to the complex I 24 kDa subunit family. It is the core subunit of the mitochondrial membrane respiratory chain NADH dehydrogenase (Complex I) that is believed to belong to the minimal assembly required for catalysis. NDUFV2 constitutes one genetic risk factor for PD, and the mutation may well be a cause of complex I deficiency in this disease(PMID:9570948).

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:

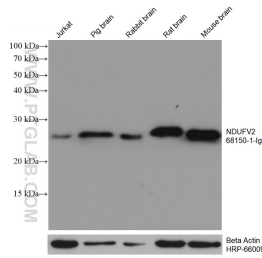
T: 4006900926

E: Proteintech-CN@ptglab.com

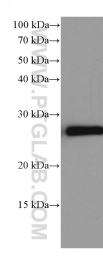
W: ptgcn.com

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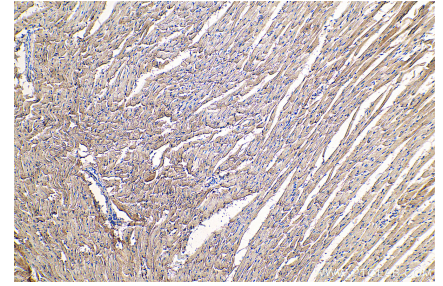
Selected Validation Data



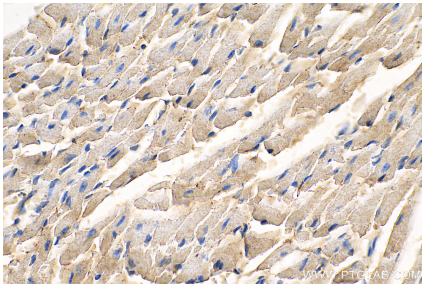
Various lysates were subjected to SDS PAGE followed by western blot with 68150-1-Ig (NDUFV2 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Beta Actin Monoclonal antibody (HRP-66009) as loading control.



chicken heart tissue were subjected to SDS PAGE followed by western blot with 68150-1-Ig (NDUFV2 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse heart tissue slide using 68150-1-Ig (NDUFV2 antibody) at dilution of 1:0 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse heart tissue slide using 68150-1-Ig (NDUFV2 antibody) at dilution of 1:0 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).