

For Research Use Only

NDUFV2 Monoclonal antibody

Catalog Number: 68150-1-Ig 2 Publications



Basic Information

Catalog Number:	68150-1-Ig	GenBank Accession Number:	BC001632	Purification Method:	Protein G purification
Size:	150ul , Concentration: 1000 ug/ml by Nanodrop;	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:	WB, IHC, ELISA	Positive Controls:	
Cited Applications:	WB	WB :	Jurkat cells, chicken heart tissue, HeLa cells, pig brain tissue, rabbit brain tissue, rat brain tissue, mouse brain tissue
Species Specificity:	Human, Mouse, Rat, Rabbit, Pig, Chicken	IHC :	mouse heart tissue,
Cited Species:	rat, pig		
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0			

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).

Notable Publications

Author	Pubmed ID	Journal	Application
Huaqiang Yang	40172759	Sci China Life Sci	WB
Xi Yan	38876078	Exp Mol Pathol	WB

Storage

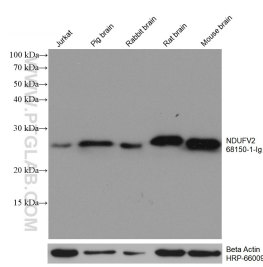
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

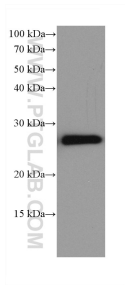
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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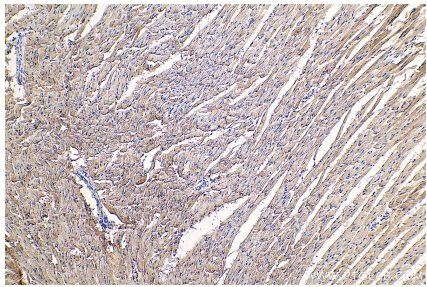
Selected Validation Data



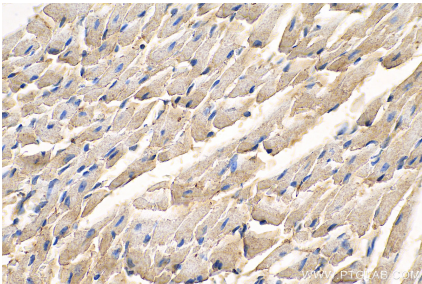
Various lysates were subjected to SDS PAGE followed by western blot with 68150-1-Ig (NDUFV2 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Beta Actin Monoclonal antibody (HRP-66009) as loading control.



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).