

# NDUFV2 Monoclonal antibody, PBS Only

Catalog Number: **68150-1-PBS**

## Basic Information

**Catalog Number:**

68150-1-PBS

**Size:**

1 mg/ml

**Source:**

Mouse

**Isotype:**

IgG1

**Immunogen Catalog Number:**

AG7760

**GenBank Accession Number:**

BC001632

**GeneID (NCBI):**

4729

**UNIPROT ID:**

P19404

**Full Name:**

NADH dehydrogenase (ubiquinone)  
flavoprotein 2, 24kDa

**Calculated MW:**

27 kDa

**Observed MW:**

24-27 kDa

**Purification Method:**

Protein G purification

**CloneNo.:**

3B4A5

## Applications

**Tested Applications:**

WB, Indirect ELISA, IHC

**Species Specificity:**

Human, Mouse, Rat, Rabbit, Pig, Chicken

## 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:**

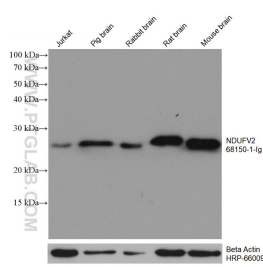
Store at -80°C.

**The product is shipped with ice packs. Upon receipt, store it immediately at -80°C**

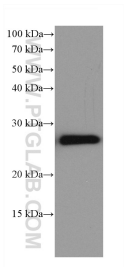
**Storage Buffer:**

PBS Only

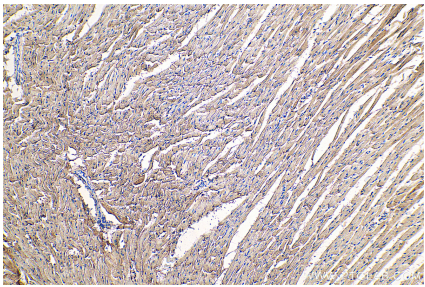
Selected Validation Data



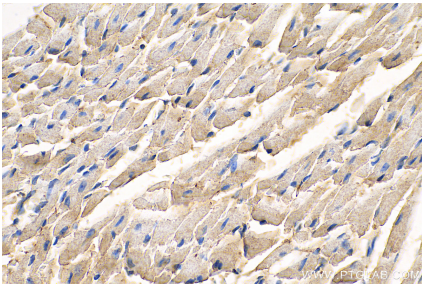
Various lysates were subjected to SDS PAGE followed by western blot with 68150-1-Ig (NDUFV2 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Beta Actin Monoclonal antibody (HRP-66009) as loading control. This data was developed using the same antibody clone with 68150-1-PBS in a different storage buffer formulation.



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. This data was developed using the same antibody clone with 68150-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 68150-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 68150-1-PBS in a different storage buffer formulation.