

# NDUFV1 Monoclonal antibody, PBS Only

Catalog Number: 68144-1-PBS

## Basic Information

<b>Catalog Number:</b> 68144-1-PBS	<b>GenBank Accession Number:</b> BC015645	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 1 mg/ml	<b>GeneID (NCBI):</b> 4723	<b>CloneNo.:</b> 3E9D4
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> P49821	
<b>Isotype:</b> IgG2a	<b>Full Name:</b> NADH dehydrogenase (ubiquinone) flavoprotein 1, 51kDa	
<b>Immunogen Catalog Number:</b> AG32659	<b>Calculated MW:</b> 51 kDa	
	<b>Observed MW:</b> 45 kDa	

## Applications

**Tested Applications:**  
WB, Indirect ELISA, IHC

**Species Specificity:**  
Human, pig, rabbit, rat, mouse

## Background Information

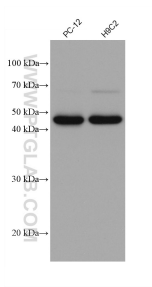
NDUFV1 (NADH dehydrogenase [ubiquinone] flavoprotein 1, mitochondrial) is also named as UQOR1, Complex I-51kD and belongs to the complex I 51 kDa subunit family. It is the core subunit of the mitochondrial membrane respiratory chain NADH dehydrogenase (Complex I) that is believed to belong to the minimal assembly required for catalysis. It has 2 isoforms produced by alternative splicing. Defects in NDUFV1 are a cause of Leigh syndrome (LS) and mitochondrial complex I deficiency (MT-C1D).

## Storage

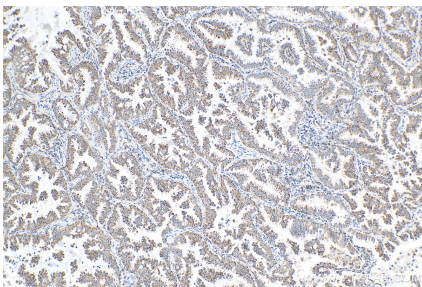
**Storage:**  
Store at -80°C.  
**The product is shipped with ice packs. Upon receipt, store it immediately at -80°C**

**Storage Buffer:**  
PBS Only

## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68144-1-Ig (NDUFV1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 68144-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 68144-1-Ig (NDUFV1 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 68144-1-PBS in a different storage buffer formulation.