

For Research Use Only

# ND4L Polyclonal antibody

Catalog Number: 18737-1-AP



## Basic Information

<b>Catalog Number:</b> 18737-1-AP	<b>GenBank Accession Number:</b> P03901	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul	<b>GeneID (NCBI):</b> 4539	
<b>Source:</b> Rabbit	<b>Full Name:</b> NADH dehydrogenase, subunit 4L (complex I)	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 11 kDa	

## Applications

**Tested Applications:**  
ELISA

**Species Specificity:**  
human, mouse

## Background Information

ND4L, also named as MTND4L and NADH4L, belongs to the complex I subunit 4L family. It is a core subunit of the mitochondrial membrane respiratory chain NADH dehydrogenase (Complex I) that is believed to belong to the minimal assembly required for catalysis. Complex I functions in the transfer of electrons from NADH to the respiratory chain. The immediate electron acceptor for the enzyme is believed to be ubiquinone. Mutation of ND4L will cause Leber hereditary optic neuropathy (LHON) which is a maternally inherited disease resulting in acute or subacute loss of central vision, due to optic nerve dysfunction.

## 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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## Selected Validation Data