

# NDUFS3 Rabbit mAb

Catalog No.: A4602 **Recombinant**

## Basic Information

### Observed MW

28 kDa

### Calculated MW

30 kDa

### Category

Primary antibody

### Applications

WB, IHC-P, ELISA

### Cross-Reactivity

Human, Rat

### CloneNo number

ARC1049

## Background

This gene encodes one of the iron-sulfur protein (IP) components of mitochondrial NADH:ubiquinone oxidoreductase (complex I). Mutations in this gene are associated with Leigh syndrome resulting from mitochondrial complex I deficiency.

## Recommended Dilutions

**WB** 1:1000 - 1:3000

**IHC-P** 1:50 - 1:200

**ELISA** Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

## Immunogen Information

### Gene ID

4722

### Swiss Prot

O75489

### Immunogen

Synthetic peptide. This information is considered to be commercially sensitive.

### Synonyms

CI-30; MC1DN8; NDUFS3

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

Affinity purification

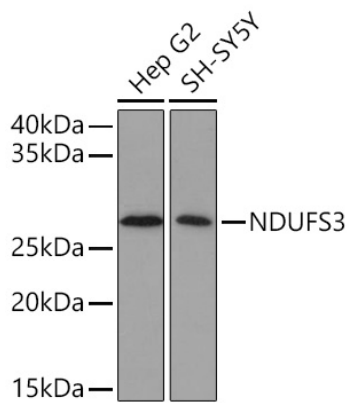
### Storage

Store at -20°C. Avoid freeze / thaw cycles.

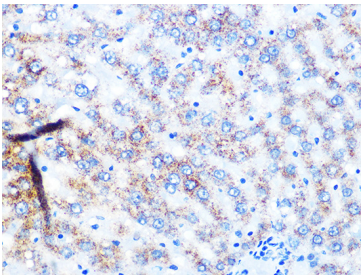
Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

## Validation Data

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Western blot analysis of various lysates using NDUFS3 Rabbit mAb (A4602) at 1:1000 dilution.  
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25µg per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Basic Kit (RM00020).  
Exposure time: 90s.



Immunohistochemistry analysis of paraffin-embedded Rat liver using NDUFS3 Rabbit mAb (A4602) at dilution of 1:100 (40x lens).  
Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.