

# NDUFS3 Rabbit mAb

Catalog No.: A22162 **Recombinant**

## Basic Information

### Observed MW

30kDa

### Calculated MW

30kDa

### Category

Primary antibody

### Applications

ELISA, WB, IHC-P

### Cross-Reactivity

Human, Mouse, Rat

### CloneNo number

ARC55923

## 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 - 1:5000

IHC-P 1:50 - 1:200

## Immunogen Information

### Gene ID

4722

### Swiss Prot

O75489

### Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 37-264 of human NDUFS3 (NP\_004542.1).

### Synonyms

CI-30; MC1DN8; NDUFS3

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

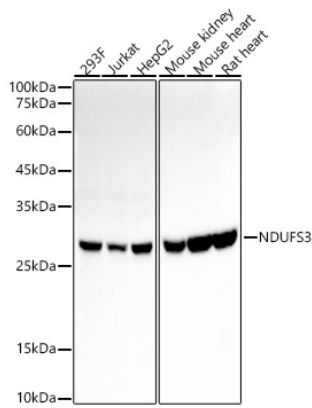
Affinity purification

### Storage

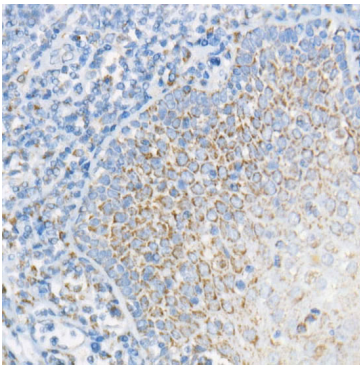
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300, 0.05% BSA, 50% glycerol, pH7.3.

## Validation Data



Western blot analysis of various lysates, using NDUFS3 Rabbit mAb (A22162) at 1:2000 dilution.  
Secondary antibody: HRP 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: 3s.



Immunohistochemistry analysis of paraffin-embedded human tonsil using NDUFS3 Rabbit mAb (A22162) at dilution of 1:100 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.