

# [KO Validated] NDUFV2 Rabbit pAb

Catalog No.: A19936 **KO** Validated

## Basic Information

### Observed MW

24kDa

### Calculated MW

27kDa

### Category

Primary antibody

### Applications

ELISA, WB

### Cross-Reactivity

Human, Mouse, Rat

## Background

The NADH-ubiquinone oxidoreductase complex (complex I) of the mitochondrial respiratory chain catalyzes the transfer of electrons from NADH to ubiquinone, and consists of at least 43 subunits. The complex is located in the inner mitochondrial membrane. This gene encodes the 24 kDa subunit of complex I, and is involved in electron transfer. Mutations in this gene are implicated in Parkinson's disease, bipolar disorder, schizophrenia, and have been found in one case of early onset hypertrophic cardiomyopathy and encephalopathy. A non-transcribed pseudogene of this locus is found on chromosome 19.

## Recommended Dilutions

WB 1:500 - 1:2000

## Immunogen Information

### Gene ID

4729

### Swiss Prot

P19404

### Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 1-249 of human NDUFV2 (NP\_066552.2).

### Synonyms

CI-24k; MC1DN7; V2

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

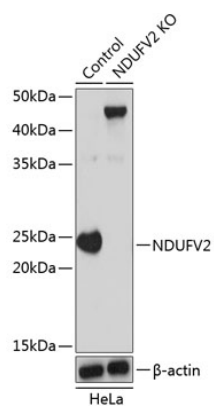
Affinity purification

### Storage

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

Buffer: PBS with 0.01% thimerosal, 50% glycerol, pH7.3.

## Validation Data



Western blot analysis of lysates from wild type (WT) and NDUFV2 knockout (KO) HeLa cells, using [KO Validated] NDUFV2 Rabbit pAb (A19936) at 1:1000 dilution.

Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25 $\mu$ g per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 1s.