

NDUFAF1 Rabbit mAb

Catalog No.: A4007 **Recombinant**

Basic Information

Observed MW

35kDa

Calculated MW

38kDa

Category

Primary antibody

Applications

ELISA, WB, IF/ICC

Cross-Reactivity

Human

CloneNo number

ARC2091

Background

This gene encodes a complex I assembly factor protein. Complex I (NADH-ubiquinone oxidoreductase) catalyzes the transfer of electrons from NADH to ubiquinone (coenzyme Q) in the first step of the mitochondrial respiratory chain, resulting in the translocation of protons across the inner mitochondrial membrane. The encoded protein is required for assembly of complex I, and mutations in this gene are a cause of mitochondrial complex I deficiency. Alternatively spliced transcript variants have been observed for this gene, and a pseudogene of this gene is located on the long arm of chromosome 19.

Recommended Dilutions

WB 1:500 - 1:2000

IF/ICC 1:50 - 1:200

Immunogen Information

Gene ID

51103

Swiss Prot

Q9Y375

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 1-150 of human NDUFAF1 (Q9Y375).

Synonyms

CGI65; CIA30; CGI-65; MC1DN11; NDUFAF1

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

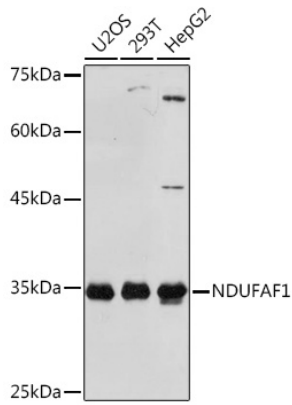
Affinity purification

Storage

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

Buffer: PBS with 0.02% sodium azide, 0.05% BSA, 50% glycerol, pH7.3.

Validation Data



Western blot analysis of extracts of various cell lines, using NDUFAF1 Rabbit mAb (A4007) at 1:1000 dilution.

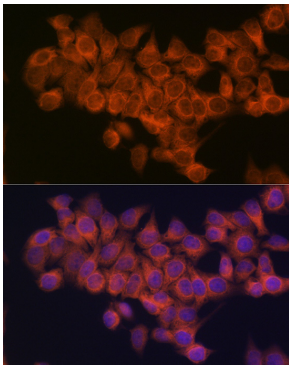
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 10s.



Immunofluorescence analysis of HeLa cells using NDUFAF1 Rabbit mAb (A4007) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.