[KO Validated] NDUFB4 Rabbit pAb

ABclonal

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Catalog No.: A13820 KO Validated 2 Publications

Basic Information

Observed MW

15kDa

Calculated MW

15kDa

Category

Primary antibody

Applications

WB,IHC-P,IF/ICC,ELISA

Cross-Reactivity

Human, Mouse, Rat

Background

This gene encodes a non-catalytic subunit of the multisubunit NADH:ubiquinone oxidoreductase, the first enzyme complex in the mitochondrial electron transport chain (complex I). Mammalian complex I is composed of 45 different subunits and transfers electrons from NADH to ubiquinone.

Recommended Dilutions

1:500 - 1:2000 **WB**

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

IF/ICC 1:50 - 1:100

Recommended starting **ELISA**

> concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Swiss Prot Gene ID 4710 095168

Immunogen

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

Synonyms

B15; CI-B15; B4

Contact

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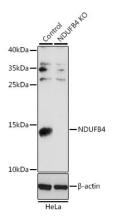
Product Information

Purification Source Isotype Rabbit IgG Affinity purification

Storage

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

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



Western blot analysis of lysates from wild type (WT) and NDUFB4 knockout (KO) HeLa cells, using [KO Validated] NDUFB4 Rabbit pAb (A13820) at 1:1000 dilution.

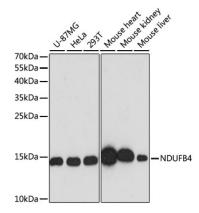
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 30s.



Western blot analysis of various lysates using [KO Validated] NDUFB4 Rabbit pAb (A13820) at 1:3000 dilution.

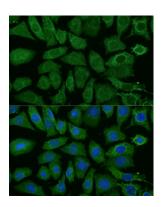
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

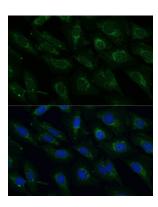
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

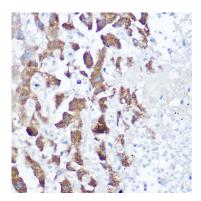
Exposure time: 90s.



Immunofluorescence analysis of L929 cells using [KO Validated] NDUFB4 Rabbit pAb (A13820) at dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.

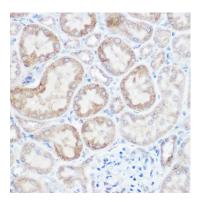


Immunofluorescence analysis of U-2 OS cells using [KO Validated] NDUFB4 Rabbit pAb (A13820) at dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.

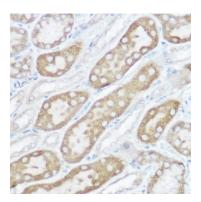


Immunohistochemistry analysis of paraffinembedded Human liver using [KO Validated] NDUFB4 Rabbit pAb (A13820) at dilution of 1:100 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.

Validation Data



Immunohistochemistry analysis of paraffinembedded Mouse kidney using [KO Validated] NDUFB4 Rabbit pAb (A13820) at dilution of 1:100 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffinembedded Rat kidney using [KO Validated] NDUFB4 Rabbit pAb (A13820) at dilution of 1:100 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.