

[KO Validated] HADHA Rabbit mAb

Catalog No.: A24608 **KO Validated** **Recombinant**

Basic Information

Observed MW

75kDa

Calculated MW

83kDa

Category

Primary antibody

Applications

WB, IHC-P, IF/ICC, IP, ELISA

Cross-Reactivity

Human

CloneNo number

ARC61203

Recommended Dilutions

WB 1:2000 - 1:12000

IHC-P 1:200 - 1:2000

IF/ICC 1:100 - 1:400

IP 0.5µg-4µg antibody for
200µg-400µg extracts of
whole cells

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

Contact

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Background

This gene encodes the alpha subunit of the mitochondrial trifunctional protein, which catalyzes the last three steps of mitochondrial beta-oxidation of long chain fatty acids. The mitochondrial membrane-bound heterocomplex is composed of four alpha and four beta subunits, with the alpha subunit catalyzing the 3-hydroxyacyl-CoA dehydrogenase and enoyl-CoA hydratase activities. Mutations in this gene result in trifunctional protein deficiency or LCHAD deficiency. The genes of the alpha and beta subunits of the mitochondrial trifunctional protein are located adjacent to each other in the human genome in a head-to-head orientation.

Immunogen Information

Gene ID

3030

Swiss Prot

P40939

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 545-763 of human HADHA (NP_000173.2).

Synonyms

GBP; ECHA; HADH; LCEH; MTPA; LCHAD; TP-ALPHA; HA

Product Information

Source

Rabbit

Isotype

IgG

Purification

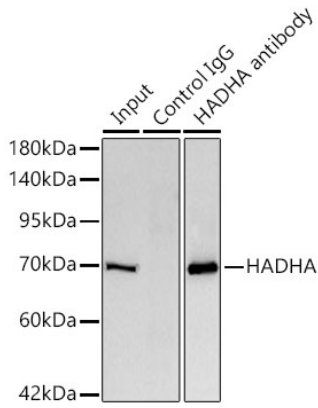
Affinity purification

Storage

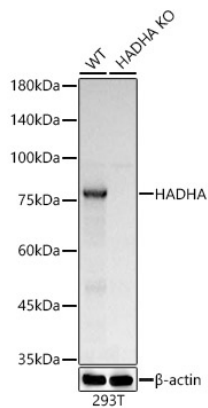
Store at -20°C. Avoid freeze / thaw cycles.

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

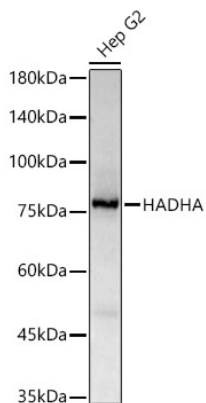
Validation Data



Immunoprecipitation analysis of 300ug extracts of 293T cells using 3ug HADHA antibody (A24608 1:100). Western blot was performed from the immunoprecipitate using HADHA antibody (A23892) at a dilution of 1:5000.

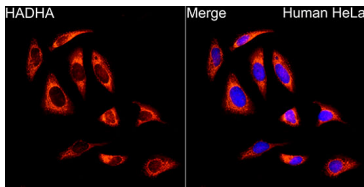


Western blot analysis of lysates from wild type(WT) and HADHA knockout (KO) 293T cells, using HADHA Rabbit mAb (A24608) at 1:2000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25ug per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 1s.

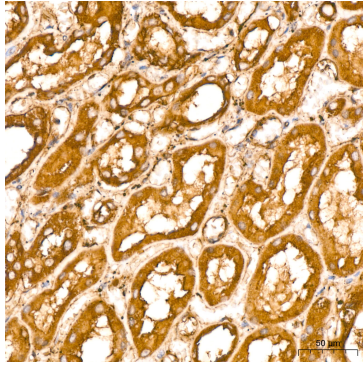


Western blot analysis of lysates from Hep G2 cells, using HADHA Rabbit mAb (A24608) at 1:2000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 1s.

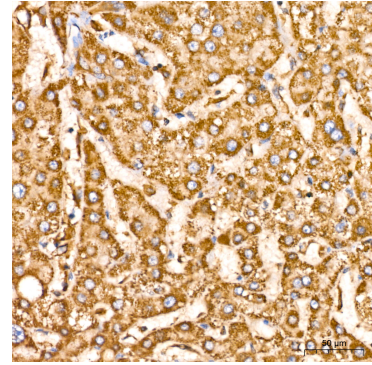
Validation Data



Immunofluorescence analysis of HeLa cells using HADHA Rabbit mAb (A24608) 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 paraffin-embedded Human kidney using HADHA Rabbit mAb (A24608) at dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human liver using HADHA Rabbit mAb (A24608) at dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.