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[KO Validated] HADHA Rabbit mAb

Catalog No.: A23892 KO Validated Recombinant

Basic Information

Observed MW
80kDa

Calculated MW
83kDa

Category
Primary antibody

Applications
WB,IF/ICC,ELISA

Cross-Reactivity
Human, Mouse, Rat

CloneNo number
ARC61206

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.

Recommended Dilutions

WB	1:1000 - 1:5000
IF	1:200 - 1:800
ELISA	Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID
3030

Swiss Prot
P40939

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

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

Contact

400-999-6126

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Product Information

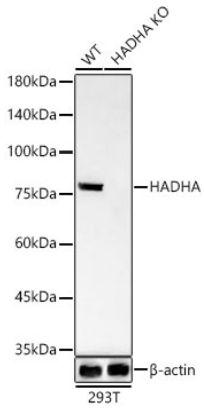
Source
Rabbit

Isotype
IgG

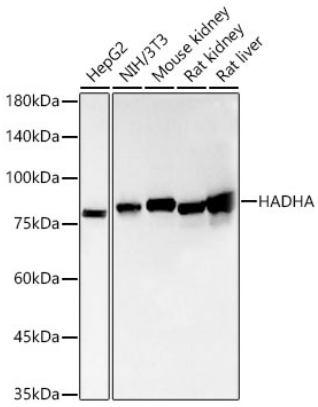
Purification
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

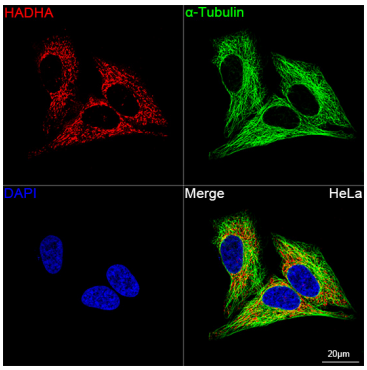
Validation Data



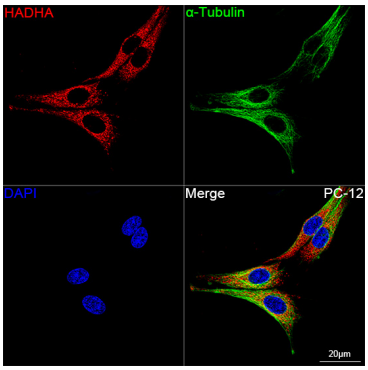
Western blot analysis of lysates from wild type(WT) and HADHA knockout (KO) 293T cells, using HADHA Rabbit mAb (A23892) at 1:1000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 20s.



Western blot analysis of various lysates, using [KO Validated] HADHA Rabbit mAb (A23892) 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: 20s.



Confocal imaging of HeLa cells using HADHA Rabbit mAb (A23892,dilution 1:200)(Red).
The cells were counterstained with α-Tubulin Mouse mAb (AC012,dilution 1:400) (Green).
DAPI was used for nuclear staining (blue).
Objective: 100x.



Confocal imaging of PC-12 cells using HADHA Rabbit mAb (A23892,dilution 1:200)(Red).
The cells were counterstained with α-Tubulin Mouse mAb (AC012,dilution 1:400) (Green).
DAPI was used for nuclear staining (blue).
Objective: 100x.