

# [KO Validated] HADHA Rabbit pAb

Catalog No.: A5346 **KO Validated** **1 Publications**

## Basic Information

### Observed MW

78kDa

### Calculated MW

83kDa

### Category

Primary antibody

### Applications

WB,IF/ICC,IP,ELISA

### Cross-Reactivity

Human, Mouse, Rat

## 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** 1:2000 - 1:6000

**IF/ICC** 1:50 - 1:200

**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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## Immunogen Information

### Gene ID

3030

### Swiss Prot

P40939

### Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 484-763 of human HADHA (NP\_000173.2).

### Synonyms

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

## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

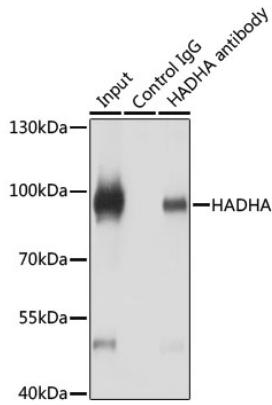
Affinity purification

### Storage

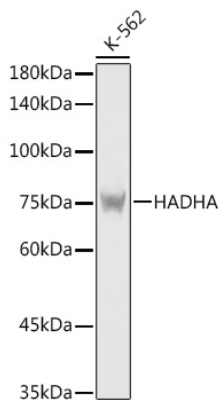
Store at -20°C. Avoid freeze / thaw cycles.

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

## Validation Data



Immunoprecipitation analysis of 200 µg extracts of HeLa cells using 3 µg HADHA antibody (A5346). Western blot was performed from the immunoprecipitate using HADHA antibody (A5346) at a dilution of 1:1000.



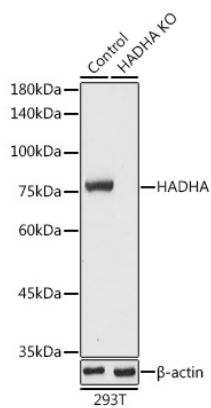
Western blot analysis of lysates from K-562 cells, using [KO Validated] HADHA Rabbit pAb (A5346) at 1:5000 dilution.

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.



Western blot analysis of lysates from wild type (WT) and HADHA knockout (KO) 293T cells, using [KO Validated] HADHA Rabbit pAb (A5346) at 1:5000 dilution.

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

Lysates/proteins: 25µg per lane.

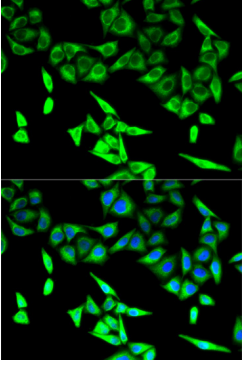
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

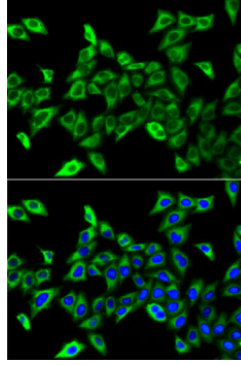
Exposure time: 1s.

## Validation Data

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Immunofluorescence analysis of U2OS cells using [KO Validated] HADHA Rabbit pAb (A5346). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of A-549 cells using [KO Validated] HADHA Rabbit pAb (A5346). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.