# [KO Validated] HADHA Rabbit pAb

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Catalog No.: A5346 KO Validated 2 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

1:50 - 1:200 IF/ICC

0.5μg-4μg antibody for ΙP

200µg-400µg extracts of

whole cells

**ELISA** Recommended starting

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

## Immunogen Information

**Gene ID Swiss Prot** 3030 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**

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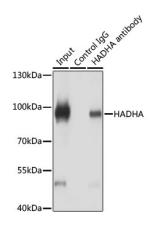
### **Product Information**

Source Isotype **Purification** Rabbit IgG Affinity purification

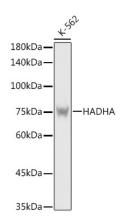
### Storage

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

Buffer: PBS containing 50% glycerol, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.



Immunoprecipitation analysis of 200  $\mu$ g extracts of HeLa cells using 3  $\mu$ g 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.

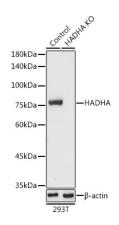
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

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.

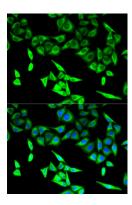
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

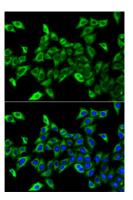
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 1s.



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.