

Datasheet for ABIN7156004
anti-HMGCS2 antibody (AA 426-508)[Go to Product page](#)

4 Images

Overview

Quantity:	100 µg
Target:	HMGCS2
Binding Specificity:	AA 426-508
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HMGCS2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant Human Hydroxymethylglutaryl-CoA synthase, mitochondrial protein (426-508AA)
Isotype:	IgG
Cross-Reactivity:	Human, Rat
Purification:	>95%, Protein G purified

Target Details

Target:	HMGCS2
Alternative Name:	HMGCS2 (HMGCS2 Products)
Background:	Background: This enzyme condenses acetyl-CoA with acetoacetyl-CoA to form HMG-CoA, which is the substrate for HMG-CoA reductase.

Target Details

Aliases: 3 hydroxy 3 methylglutaryl Coenzyme A synthase 2 (mitochondrial) antibody, 3 hydroxy 3 methylglutaryl Coenzyme A synthase 2 antibody, 3 hydroxy 3 methylglutaryl coenzyme A synthase antibody, 3-hydroxy-3-methylglutaryl coenzyme A synthase antibody, HMCS2_HUMAN antibody, HMG CoA synthase antibody, HMG-CoA synthase antibody, HMGCS 2 antibody, HMGCS2 antibody, Hydroxymethylglutaryl CoA synthase antibody, Hydroxymethylglutaryl CoA synthase mitochondrial antibody, Hydroxymethylglutaryl-CoA synthase antibody, mitochondrial antibody

UniProt: [P54868](#)

Pathways: [Response to Growth Hormone Stimulus](#), [Cellular Response to Molecule of Bacterial Origin](#), [Regulation of Lipid Metabolism by PPARalpha](#)

Application Details

Application Notes: Recommended dilution: WB:1:500-1:5000, IHC:1:200-1:500, IF:1:50-1:200,

Restrictions: For Research Use only

Handling

Format: Liquid

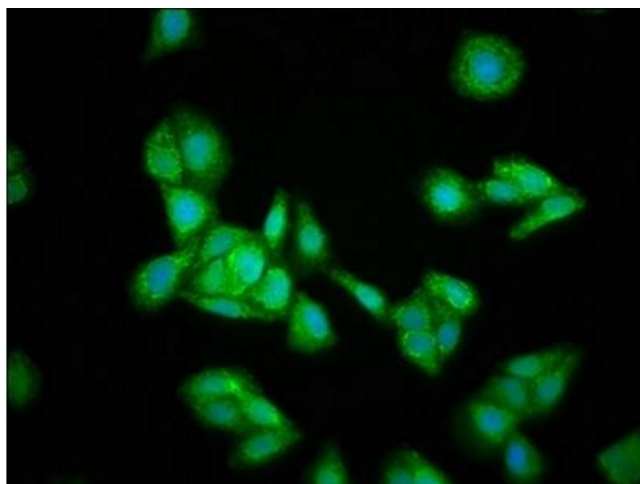
Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

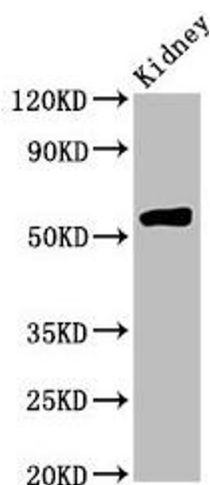
Storage: -20 °C, -80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



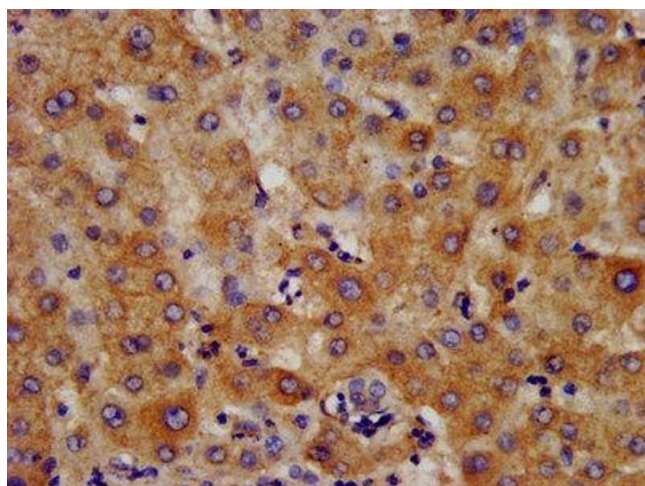
Immunofluorescence

Image 1. Immunofluorescence staining of HepG2 cells with ABIN7156004 at 1:133, counter-stained with DAPI. The cells were fixed in 4 % formaldehyde, permeabilized using 0.2 % Triton X-100 and blocked in 10 % normal Goat Serum. The cells were then incubated with the antibody overnight at 4 °C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Western Blotting

Image 2. Western Blot Positive WB detected in: Rat kidney tissue All lanes: HMGCS2 antibody at 4.5 µg/mL Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 57, 53, 51 kDa Observed band size: 57 kDa



Immunohistochemistry

Image 3. IHC image of ABIN7156004 diluted at 1:400 and staining in paraffin-embedded human liver tissue performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10 % normal goat serum 30 min at RT. Then primary antibody (1 % BSA) was incubated at 4 °C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7156004.