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Product Data Sheet

Anti-HMGCS1 Antibody

Catalog #	Source	Reactivity	Applications
CQA2954	Rabbit	H, M, R	WB, IF/IC

Description	Rabbit polyclonal antibody to HMGCS1
Immunogen	Recombinant full length protein of human HMGCS1
Purification	The antibody was purified by immunogen affinity chromatography.
Specificity	Recognizes endogenous levels of HMGCS1 protein.
Clonality	Polyclonal
Conjugation	
Form	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Dilution	WB (1/500 - 1/2000), IF/IC (1/50 - 1/200)
Gene Symbol	HMGCS1
Alternative Names	HMGCS; Hydroxymethylglutaryl-CoA synthase, cytoplasmic; HMG-CoA synthase; 3-hydroxy-3-methylglutaryl coenzyme A synthase
Entrez Gene	3157 (Human); 208715 (Mouse); 29637 (Rat)
SwissProt	Q01581 (Human); Q8JZK9 (Mouse); P17425 (Rat)
Storage/Stability	Shipped at 4°C. Upon delivery aliquot and store at -20°C for one year. Avoid freeze/thaw cycles.

Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference
Species reactivity key: H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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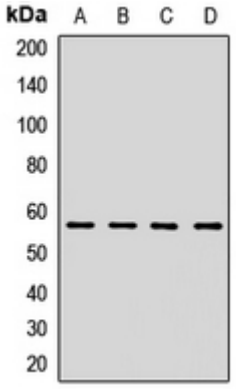
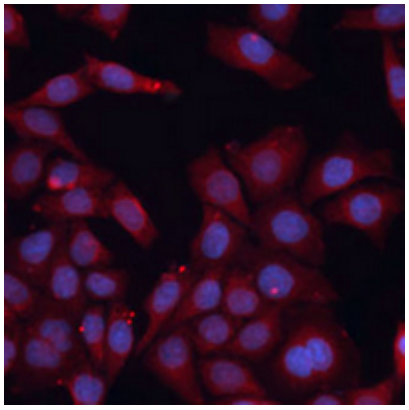


Western blot analysis of HMGCS1 expression in Hela (A), Jurkat (B), mouse liver (C), rat spinal cord (D) whole cell lysates. (Predicted band size: 57 kD; Observed band size: 57 kD)



Immunofluorescent analysis of HMGCS1 staining in HeLa cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a AF594-conjugated secondary antibody (red) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).

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