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**Research Use Only. Not for  
diagnostic or therapeutic use.**

## EB09007 - Goat Anti-HMGCR / LDLCQ3 Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** HMGCR, 3-hydroxy-3-methylglutaryl-Coenzyme A reductase, LDLCQ3, 3-hydroxy-3-methylglutaryl CoA reductase (NADPH), hydroxymethylglutaryl-CoA reductase, HMG-CoA reductase

**Official Symbol:** HMGCR

**Accession Number(s):** NP\_000850.1; NP\_001124468.1

**Human GeneID(s):** [3156](#)

### Immunogen

Peptide with sequence C-ADPSPQNSTADTSK, from the internal region of the protein sequence according to NP\_000850.1; NP\_001124468.1.

Please note the [peptide](#) is available for sale.

### Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Aliquot and store at -20°C. Minimize freezing and thawing.

### Applications Tested

**Peptide ELISA:** antibody detection limit dilution 1:8000.

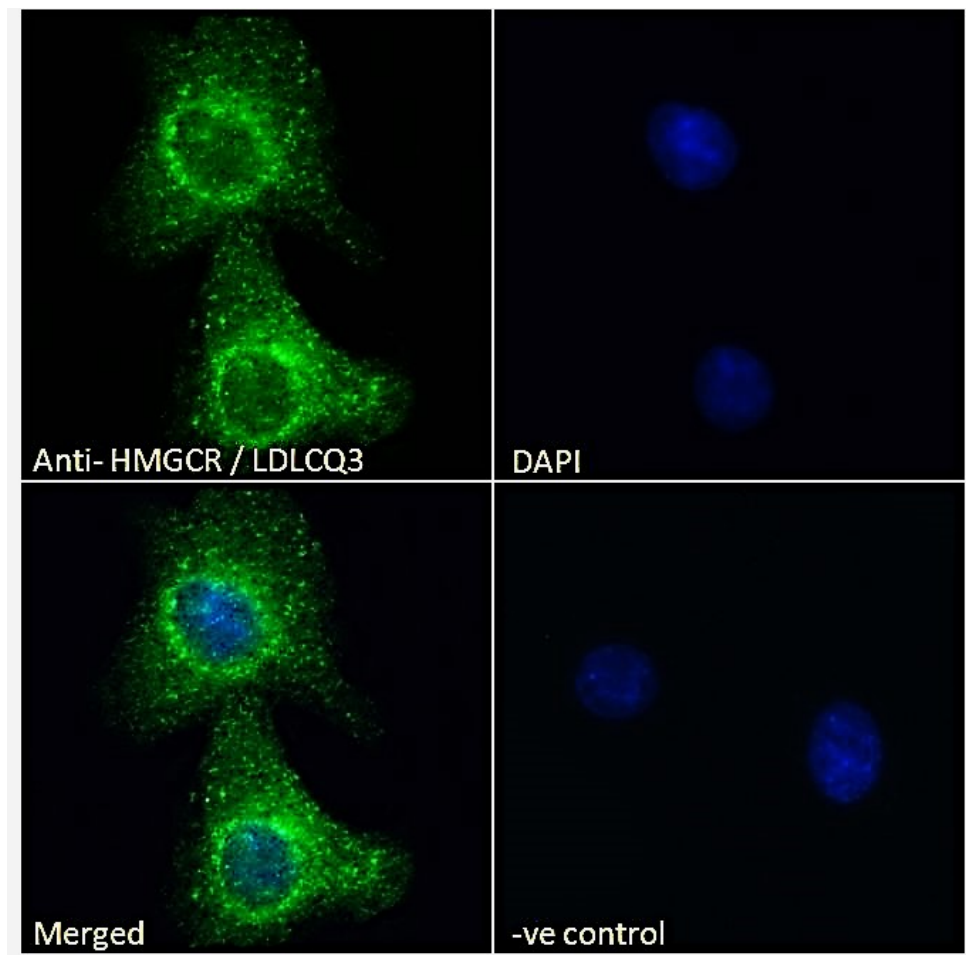
**Immunofluorescence:** Strong expression of the protein seen in the endoplasmic reticulum and vesicles of A549 cells. Recommended concentration: 10µg/ml.

**Flow Cytometry:** Flow cytometric analysis of A549 cells. Recommended concentration: 10ug/ml.

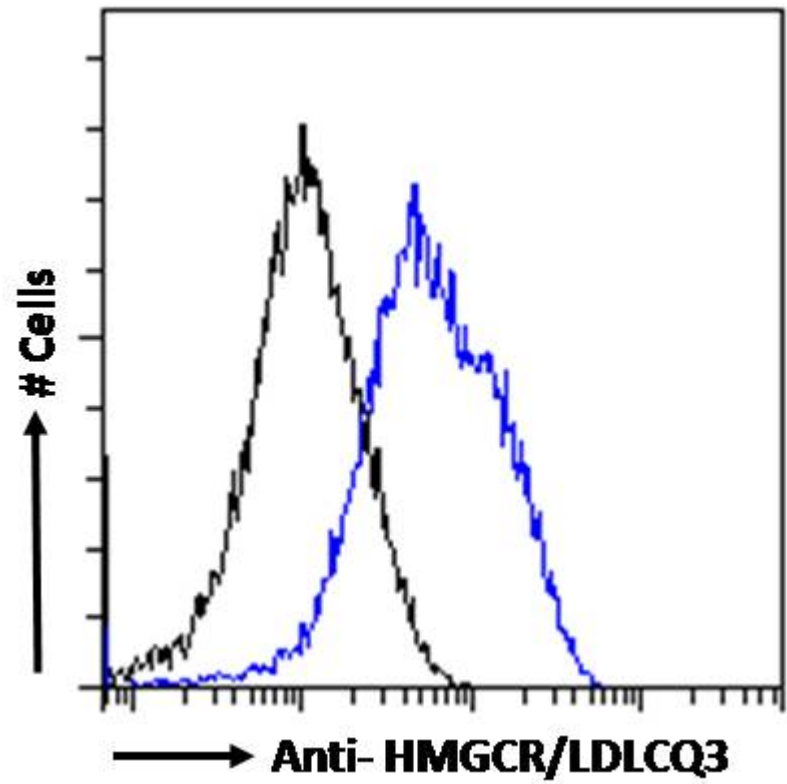
### Species Reactivity

**Tested:** Human

**Expected from sequence similarity:** Human



EB09007 Immunofluorescence analysis of paraformaldehyde fixed A549 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing endoplasmic reticulum and vesicle staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



EB09007 Flow cytometric analysis of paraformaldehyde fixed A549 cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (1ug/ml). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.