

International Office

Everest Biotech Ltd

Vector Laboratories, Inc. 6737 Mowry Ave Newark, CA 94560 United States

Customer Service:

customerservice@vectorlabs.com

Technical Service:

technical@vectorlabs.com

Tel: +1 (800) 227-6666

www.everestbiotech.com

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.

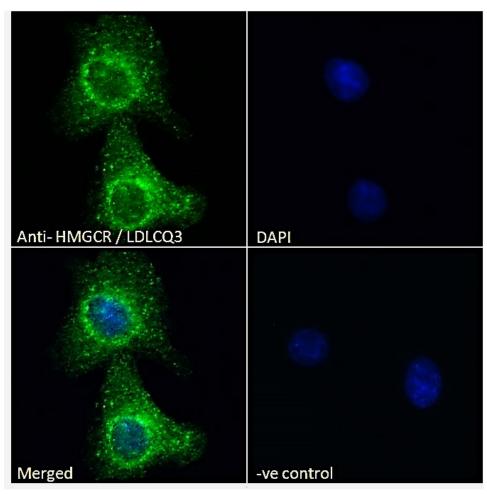
Flow Cytometry: Flow cytometric analysis of A549 cells. Recommended concentration:

10ug/ml.

Species Reactivity

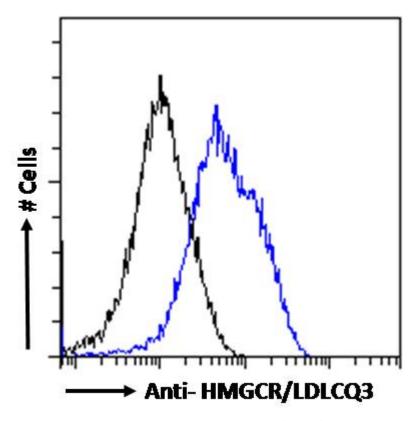
Tested: Human

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.