

Datasheet for ABIN570699
anti-HMGCR antibody (Internal Region)[Go to Product page](#)

2 Images

Overview

| | |
|----------------------|---|
| Quantity: | 100 µg |
| Target: | HMGCR |
| Binding Specificity: | Internal Region |
| Reactivity: | Human |
| Host: | Goat |
| Clonality: | Polyclonal |
| Conjugate: | This HMGCR antibody is un-conjugated |
| Application: | ELISA, Immunofluorescence (IF), Flow Cytometry (FACS) |

Product Details

| | |
|-------------------|---|
| Purpose: | HMGCR / LDLCQ3 |
| Immunogen: | Peptide with sequence C-ADPSPQNSTADTSK , from the internal region of the protein sequence according to NP_000850.1. |
| Sequence: | ADPSPQNSTA DTSK |
| Isotype: | IgG |
| Cross-Reactivity: | Human |
| Purification: | Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide. |
| Grade: | Verified |

Target Details

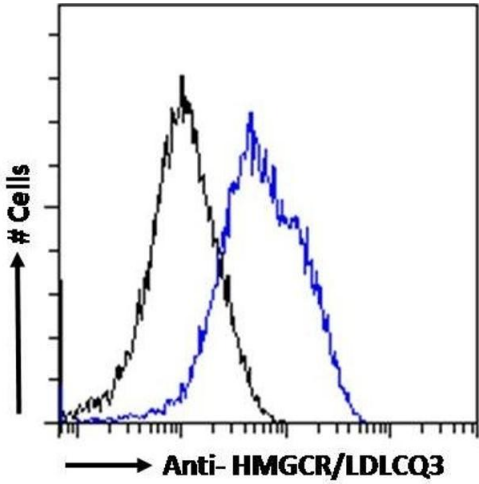
| | |
|-------------------|---|
| Target: | HMGCR |
| Alternative Name: | HMGCR (HMGCR Products) |
| Background: | HMGCR, 3-hydroxy-3-methylglutaryl-Coenzyme A reductase, LDLQ3, 3-hydroxy-3-methylglutaryl CoA reductase (NADPH), hydroxymethylglutaryl-CoA reductase, HMG-CoA reductase |
| Gene ID: | 3156 |
| NCBI Accession: | NP_000850 |
| Pathways: | AMPK Signaling , Negative Regulation of Hormone Secretion , Regulation of Lipid Metabolism by PPARalpha |

Application Details

| | |
|--------------------|---|
| Application Notes: | Peptide ELISA: antibody detection limit dilution 1:8000. |
| Comment: | 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 |
| Restrictions: | For Research Use only |

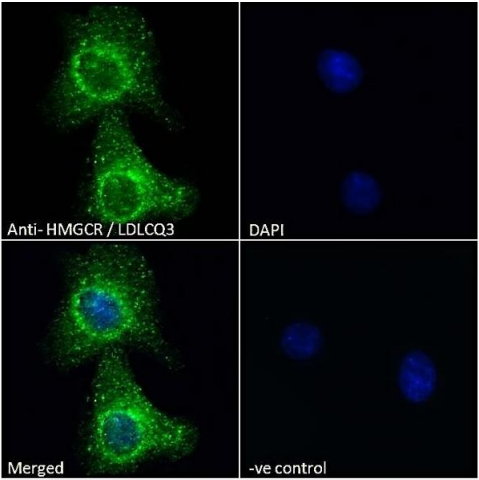
Handling

| | |
|--------------------|--|
| Format: | Liquid |
| Concentration: | 0.5 mg/mL |
| Buffer: | Supplied at 0.5 mg/mL in Tris saline, 0.02 % sodium azide, pH 7.3 with 0.5 % bovine serum albumin. |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Handling Advice: | Minimize freezing and thawing. |
| Storage: | -20 °C |
| Storage Comment: | Aliquot and store at -20°C, with minimal freeze/thawing. A working aliquot may be refrigerated at 4°C for a few weeks and still remain viable. |



Flow Cytometry

Image 1. ABIN570699 Flow cytometric analysis of paraformaldehyde fixed A549 cells (blue line), permeabilized with 0.5 % Triton. Primary incubation 1hr (10 µg/mL) followed by Alexa Fluor 488 secondary antibody (1 µg/mL). IgG control: Unimmunized goat IgG (black line) fol



Immunofluorescence

Image 2. ABIN570699 Immunofluorescence analysis of paraformaldehyde fixed A549 cells, permeabilized with 0.15 % Triton. Primary incubation 1hr (10 µg/mL) followed by Alexa Fluor 488 secondary antibody (2 µg/mL), showing endoplasmic reticulum and vesicle staining. The nu