

## UK Office

### Everest Biotech Ltd

Cherwell Innovation Centre  
77 Heyford Park  
Upper Heyford  
Oxfordshire  
OX25 5HD  
UK

Enquiries:

[info@everestbiotech.com](mailto:info@everestbiotech.com)

Sales:

[sales@everestbiotech.com](mailto:sales@everestbiotech.com)

Tech support:

[support@everestbiotech.com](mailto:support@everestbiotech.com)

Tel: +44 (0)1869 238326

[www.everestbiotech.com](http://www.everestbiotech.com)

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

## EB11003 - Goat Anti-DGAT1 (aa67-79) Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** DGAT1, diacylglycerol O-acyltransferase 1, ARGP1, DGAT, ACAT related gene product 1, ACAT-related gene product 1, acyl coenzyme A:cholesterol acyltransferase related gene 1, diacylglycerol O-acyltransferase homolog 1, diglyceride acyltransferase

**Official Symbol:** DGAT1

**Accession Number(s):** NP\_036211.2

**Human GeneID(s):** [8694](#)

### Immunogen

Peptide with sequence RCHRLQDSLFSDD, from the internal region of the protein sequence according to NP\_036211.2.

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 1:128000.

**Western blot:** Approx. 55-58kDa band observed in lysates of cell line NIH3T3, and approx. 58kDa in Mouse Duodenum and Rat Kidney lysates (calculated MW of 56.8kDa according to Mouse NP\_034176.1 and 57.1kDa according to Rat NP\_445889.2).  
Recommended concentration: 0.3-1µg/ml. Primary incubation 1 hour at room temperature.

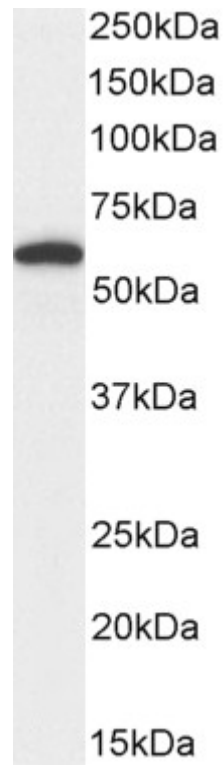
**Immunofluorescence:** Strong expression of the protein seen in A431 and NIH3T3 cells.  
Recommended concentration: 10µg/ml.

**Flow Cytometry:** Flow cytometric analysis of A431 cells. Recommended concentration: 10ug/ml.

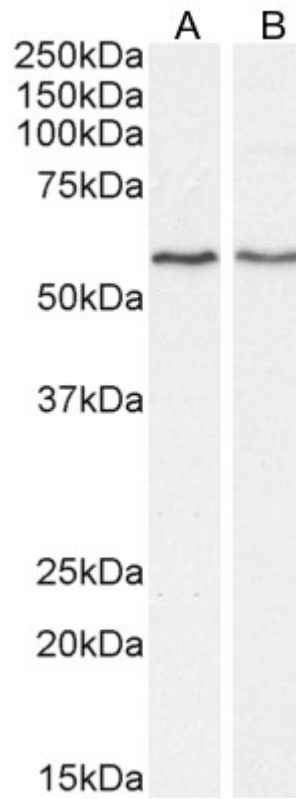
### Species Reactivity

**Tested:** Human, Mouse, Rat

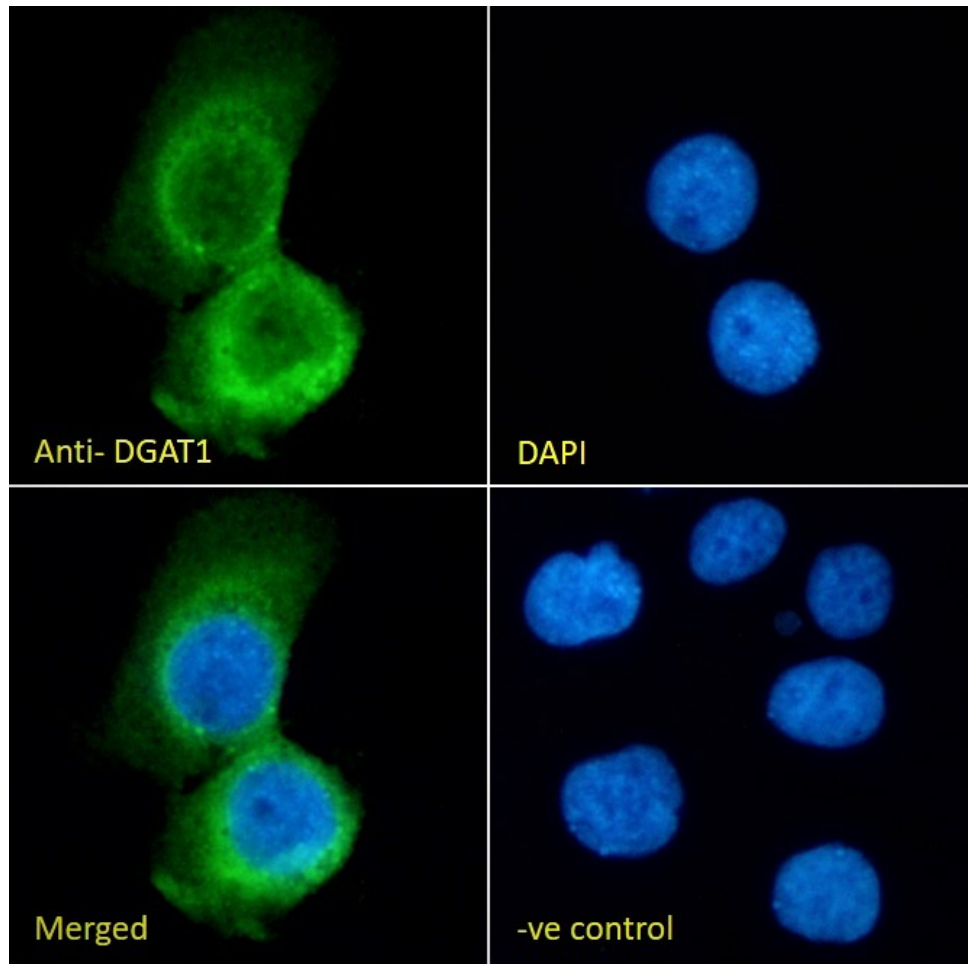
**Expected from sequence similarity:** Human, Mouse, Rat, Cow



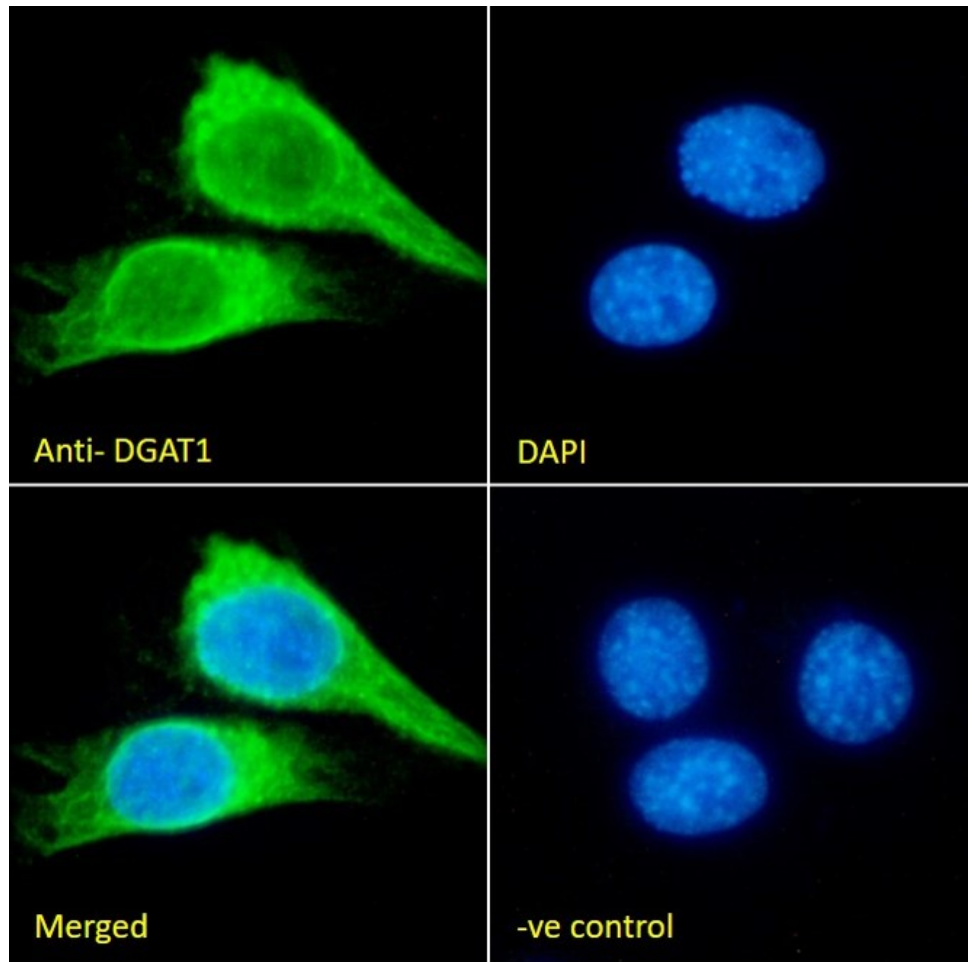
EB11003 (0.5 $\mu$ g/ml) staining of NIH3T3 cell lysate (35 $\mu$ g protein in RIPA buffer). Detected by chemiluminescence.



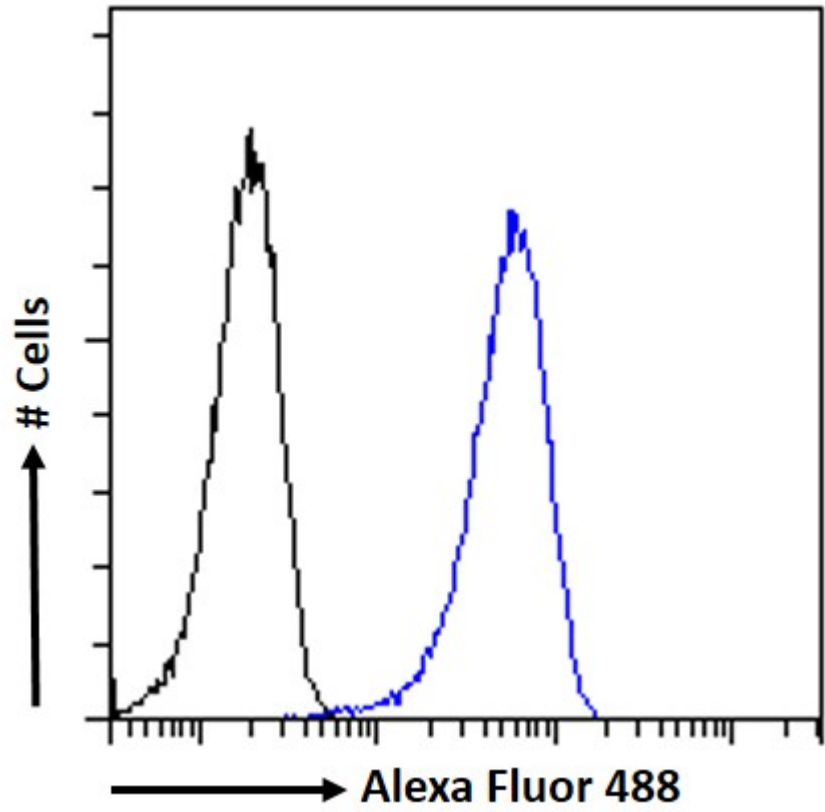
EB11003 (1 $\mu$ g/ml) staining of Mouse Duodenum (A) and (0.5 $\mu$ g/ml) Rat Kidney (B) lysate (35 $\mu$ g protein in RIPA buffer). Detected by chemiluminescence.



EB11003 Immunofluorescence analysis of paraformaldehyde fixed A431 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing endoplasmic reticulum and cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



EB11003 Immunofluorescence analysis of paraformaldehyde fixed NIH3T3 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



EB11003 Flow cytometric analysis of paraformaldehyde fixed A431 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.