

# Product Datasheet

## DGAT2 Antibody NB100-57851

Unit Size: 0.1 mg

Store at -20C. Avoid freeze-thaw cycles.

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



[technical@novusbio.com](mailto:technical@novusbio.com)

### Publications: 9

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:  
[www.novusbio.com/NB100-57851](http://www.novusbio.com/NB100-57851)

Updated 9/9/2025 v.20.1

Earn rewards for product  
reviews and publications.

Submit a publication at [www.novusbio.com/publications](http://www.novusbio.com/publications)

Submit a review at [www.novusbio.com/reviews/destination/NB100-57851](http://www.novusbio.com/reviews/destination/NB100-57851)



**NB100-57851****DGAT2 Antibody**

<b>Product Information</b>	
<b>Unit Size</b>	0.1 mg
<b>Concentration</b>	0.5 mg/ml
<b>Storage</b>	Store at -20C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.02% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Immunogen affinity purified
<b>Buffer</b>	Tris saline (20 mM Tris pH 7.3, 150 mM NaCl), 0.5% BSA

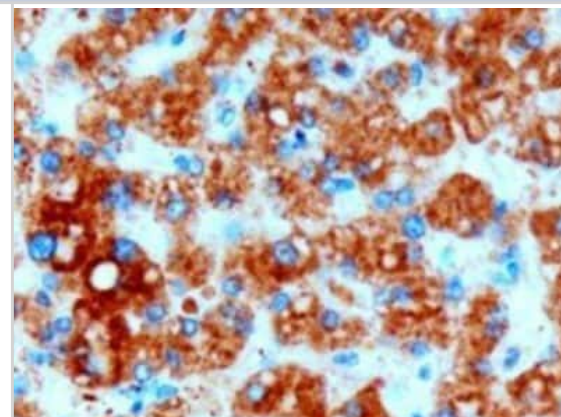
<b>Product Description</b>	
<b>Description</b>	Novus Biologicals Goat DGAT2 Antibody (NB100-57851) is a polyclonal antibody validated for use in IHC, WB, ELISA and Flow. Anti-DGAT2 Antibody: Cited in 8 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Goat
<b>Gene ID</b>	84649
<b>Gene Symbol</b>	DGAT2
<b>Species</b>	Human, Mouse, Rat
<b>Reactivity Notes</b>	Rat reactivity reported in scientific literature (PMID: 24500776). Mouse reactivity reported in scientific literature (PMID: 30928647).
<b>Specificity/Sensitivity</b>	This antibody is not expected to cross-react with other DGAT members.
<b>Immunogen</b>	Peptide with sequence C-KLEHPTQQDIDLYH corresponding to internal region (near C-Terminus) according to NP_115953.2.

<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, Flow Cytometry, Immunohistochemistry, Peptide ELISA
<b>Recommended Dilutions</b>	Western Blot, Flow Cytometry 10 ug/mL, Immunohistochemistry 3 ug/mL, Immunohistochemistry-Paraffin 3 ug/mL, Peptide ELISA Detection limit 1:128000
<b>Application Notes</b>	Use in Western blot reported in scientific literature (PMID: 30928647).

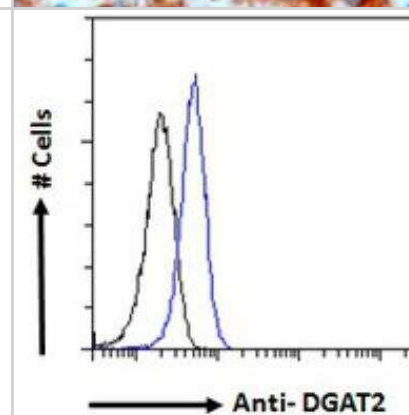


## Images

Immunohistochemistry-Paraffin: DGAT2 Antibody [NB100-57851] - Analysis of DGAT2 in Human Liver. Antibody at 3 ug/mL. Microwaved antigen retrieval with Tris/EDTA buffer pH 9, HRP-staining.



Flow Cytometry: DGAT2 Antibody [NB100-57851] - Analysis of paraformaldehyde fixed HeLa cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10 ug/mL) followed by Alexa Fluor 488 secondary antibody (1 ug/mL). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.



## Publications

Sánchez-Ceinos J, Guzmán-Ruiz R, Rangel-Zadiga OA et al. Impaired mRNA splicing and proteostasis in preadipocytes in obesity-related metabolic disease eLife 2021-09-21 [PMID: 34545810]

Fukushima A, Zhang L, Huqi A et al. Acetylation contributes to hypertrophy-caused maturational delay of cardiac energy metabolism JCI Insight 2018-05-17 [PMID: 29769443]

Maria Guarino, Pavitra Kumar, Andrea Felser, Luigi M. Terracciano, Sergi Guixé-Muntet, Bostjan Humar, Michelangelo Foti, Jean-Marc Nuoffer, Marie V. St-Pierre, Jean-François Dufour Exercise Attenuates the Transition from Fatty Liver to Steatohepatitis and Reduces Tumor Formation in Mice Cancers 2020-05-29 [PMID: 32486073]

Yamamoto T, Maurya SK, Pruzinsky E et al. RIP140 deficiency enhances cardiac fuel metabolism and protects mice from heart failure The Journal of clinical investigation 2023-03-16 [PMID: 36927960] (WB, Mouse)

Details:

Dilution used in WB 1:1000

Hucik-Worndl B Investigating Diet and Exercise Modifications on Delta-6 Desaturase and Ghrelin Regulation of Skeletal Muscle and White Adipose Tissue Lipid Metabolism Thesis 2021-01-01

Miotto PM, Petrick HL, Holloway GP Acute insulin deprivation results in altered mitochondrial substrate sensitivity conducive to greater fatty acid transport Am. J. Physiol. Endocrinol. Metab. 2020-06-16 [PMID: 32543943]

Hucik B, Sarr O, Nakamura MT et al. Reduced delta-6 desaturase activity partially protects against high-fat diet-induced impairment in whole-body glucose tolerance J. Nutr. Biochem. 2019-03-02 [PMID: 30928647] (WB, Mouse)

Cases S, Stone SJ, Zhou P et al. Cloning of DGAT2, a second mammalian diacylglycerol acyltransferase, and related family members. J Biol Chem 2001-10-19 [PMID: 11481335]

Beaudoin MS, Snook LA, Arkell AM et al. Novel effects of rosiglitazone on SMAD2 and SMAD3 signaling in white adipose tissue of diabetic rats. Obesity (Silver Spring). 2014-02-06 [PMID: 24500776] (WB, Rat)



### **Novus Biologicals USA**

10730 E. Briarwood Avenue  
Centennial, CO 80112  
USA  
Phone: 303.730.1950  
Toll Free: 1.888.506.6887  
Fax: 303.730.1966  
nb-customerservice@bio-techne.com

### **Bio-Techne Canada**

21 Canmotor Ave  
Toronto, ON M8Z 4E6  
Canada  
Phone: 905.827.6400  
Toll Free: 855.668.8722  
Fax: 905.827.6402  
canada.inquires@bio-techne.com

### **Bio-Techne Ltd**

19 Barton Lane  
Abingdon Science Park  
Abingdon, OX14 3NB, United Kingdom  
Phone: (44) (0) 1235 529449  
Free Phone: 0800 37 34 15  
Fax: (44) (0) 1235 533420  
info.EMEA@bio-techne.com

### **General Contact Information**

www.novusbio.com  
Technical Support: nb-technical@bio-techne.com  
Orders: nb-customerservice@bio-techne.com  
General: novus@novusbio.com

### **Products Related to NB100-57851**

HAF017	Rabbit anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
HAF109	Donkey anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
NB410-28088-1mg	Goat IgG Isotype Control
NBP1-71701PEP	DGAT2 Antibody Blocking Peptide

### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

For more information on our 100% guarantee, please visit [www.novusbio.com/guarantee](http://www.novusbio.com/guarantee)

Earn gift cards/discounts by submitting a review: [www.novusbio.com/reviews/submit/NB100-57851](http://www.novusbio.com/reviews/submit/NB100-57851)

Earn gift cards/discounts by submitting a publication using this product:  
[www.novusbio.com/publications](http://www.novusbio.com/publications)



