

Product Datasheet

DGAT2 Antibody NB100-57851

Unit Size: 0.1 mg

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

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Publications: 9

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NB100-57851

DGAT2 Antibody

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

Product Description	
Description	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.
Host	Goat
Gene ID	84649
Gene Symbol	DGAT2
Species	Human, Mouse, Rat
Reactivity Notes	Rat reactivity reported in scientific literature (PMID: 24500776). Mouse reactivity reported in scientific literature (PMID: 30928647).
Specificity/Sensitivity	This antibody is not expected to cross-react with other DGAT members.
Immunogen	Peptide with sequence C-KLEHPTQQDIDLYH corresponding to internal region (near C-Terminus) according to NP_115953.2.

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Flow Cytometry, Immunohistochemistry, Peptide ELISA
Recommended Dilutions	Western Blot, Flow Cytometry 10 ug/mL, Immunohistochemistry 3 ug/mL, Immunohistochemistry-Paraffin 3 ug/mL, Peptide ELISA Detection limit 1:128000
Application Notes	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-Zúñiga 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)



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Products Related to NB100-57851

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
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

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.

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