Product Datasheet

DGAT2 Antibody - BSA Free
NBP1-71701

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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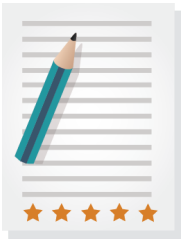
Publications: 9

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
www.novusbio.com/NBP1-71701

Updated 9/9/2025 v.20.1



NBP1-71701

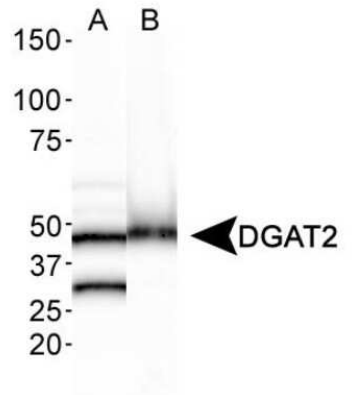
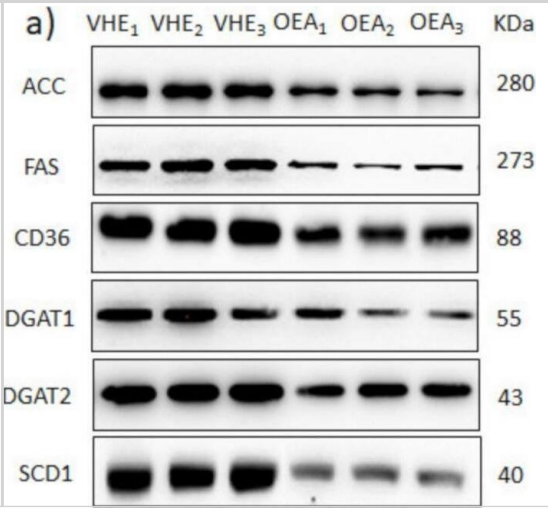
DGAT2 Antibody - BSA Free

Product Information	
Unit Size	0.1 ml
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	PBS

Product Description	
Description	Novus Biologicals Rabbit DGAT2 Antibody - BSA Free (NBP1-71701) is a polyclonal antibody validated for use in WB. Anti-DGAT2 Antibody: Cited in 9 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	84649
Gene Symbol	DGAT2
Species	Human, Mouse, Rat
Reactivity Notes	Immunogen has 100% identity to bovine and porcine, and 88% identity to Xenopus. Rat reactivity reported in scientific literature (PMID:33129840).
Immunogen	A synthetic peptide made to an internal region of the human DGAT2 protein (within residues 200-300). [Swiss-Prot Q96PD7]

Product Application Details	
Applications	Western Blot
Recommended Dilutions	Western Blot 1 ug/ml

Images

Western Blot: DGAT2 Antibody [NBP1-71701] - Analysis of DGAT2 in A. human liver lysate and B. mouse brain lysate.	
Hepatic fatty acid and triacylglycerol synthesis enzymes. (a) Proteins extracted from hepatic VEH and OEA samples were subjected to SDS-page electrophoresis. Membranes were analyzed by immunoblotting using specific antibodies for acetyl-CoA carboxylase (ACC), and fatty acid synthase (FAS), CD36, diacylglycerol acyltransferase 1 (DGAT1), DGAT2, and stearoyl-CoA desaturase 1 (SCD1). Each blot was normalized to the proper specific β-actin. (b–e) Blot signals were quantified by densitometric analysis and reported as % of the vehicle (VHE). (f) DGAT, ACC and FAS specific activities were assayed as reported in the Material and Methods section and reported as fold changes with respect to values measured in VEH rats. Values are the mean +/- SEM of five different experiments. * $p < 0.05$; ** $p < 0.005$. Image collected and cropped by CiteAb from the following open publication (https://pubmed.ncbi.nlm.nih.gov/33513874), licensed under a CC-BY license. Not internally tested by Novus Biologicals.	

Publications

Yamasaki S, Kimura G, Koizumi K et al. Maternal green tea extract intake during lactation attenuates hepatic lipid accumulation in adult male rats exposed to a continuous high-fat diet from the foetal period Food & Nutrition Research 2020-10-05 [PMID: 34908919]

Romano A, Friuli M, Del Coco L, et al. Chronic Oleoylethanolamide Treatment Decreases Hepatic Triacylglycerol Level in Rat Liver by a PPARγ/SREBP-Mediated Suppression of Fatty Acid and Triacylglycerol Synthesis Nutrients 2021-01-27 [PMID: 33513874]

Moliterni C, Vari F, Schifano E et Al. Lipotoxicity of palmitic acid is associated with DGAT1 downregulation and abolished by PPAR? activation in liver cells J Lipid Res 2024-11-04 [PMID: 39505261]

Eui-Jin Lee, Yeon-Pyo Hong, Yun-Jung Yang Short-term exposure to di(2-ethylhexyl)phthalate may disrupt hepatic lipid metabolism through modulating the oxidative stress in male adolescent rats Environmental Analysis, Health and Toxicology 2024-03-01 [PMID: 38631399]

S T, S L, F G et al. An aqueous olive leaf extract (OLE) ameliorates parameters of oxidative stress associated with lipid accumulation and induces lipophagy in human hepatic cells Food & function 2023-06-19 [PMID: 37294271] (WB, Human)

Details:
1:1000 dilution

Kim JH, Nagappan A, Jung DY Et al. Histone Demethylase KDM7A Contributes to the Development of Hepatic Steatosis by Targeting Diacylglycerol Acyltransferase 2 International journal of molecular sciences 2021-10-14 [PMID: 34681759] (WB, Mouse)

Zhang J, Novakovic N, Hua Y et al. Role of lipocalin-2 in extracellular peroxiredoxin 2-induced brain swelling, inflammation and neuronal death Experimental Neurology [PMID: 33129840] (WB, Rat)

Paland N, Gamliel-Lazarovich A, Coleman R, Fuhrman B. Urokinase-type plasminogen activator (uPA) stimulates triglyceride synthesis in Huh7 hepatoma cells via p38-dependent upregulation of DGAT2. Atherosclerosis. 2014-09-09 [PMID: 25244504] (WB, Human)

Yang A, Gyulay G, Mitchell M et al. Hypomorphic sialidase expression decreases serum cholesterol by downregulation of VLDL production in mice J Lipid Res 2012-12-01 [PMID: 22984145]

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 NBP1-71701

H00011332-B01P	ACOT7 Antibody - Azide and BSA Free
NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit 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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