Product Datasheet

DGAT2 Antibody
NBP1-71700SS

Unit Size: 0.025 ml

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

Publications: 2

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Updated 6/15/2014 v.20.1

NBP1-71700SS

DGAT2 Antibody

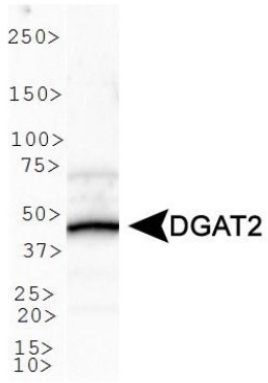
Product Information	
Unit Size	0.025 ml
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.05% Sodium Azide
Purity	Immunogen affinity purified
Buffer	PBS, 30% glycerol

Product Description	
Host	Rabbit
Gene ID	84649
Gene Symbol	DGAT2
Species	Human, Mouse, Yeast
Species Reactivity	Human, yeast and mouse. Immunogen has 100% identity to rat, bovine and porcine, and 86% identity to Xenopus.
Immunogen	A synthetic peptide made to an internal region of the human DGAT2 protein (within residues 100-200). [Swiss-Prot Q96PD7]

Product Application Details	
Applications	Western Blot
Recommended Dilutions	Western Blot 1 ug/ml
Application Notes	This DGAT2 antibody is useful for Western blot, where a band is seen ~43 kDa.

Images

Western Blot: DGAT2 Antibody [NBP1-71700] - Analysis of DGAT2 in human liver lysate.



Publications

Zeng T, Zhang CL, Song FY et al. CMZ Reversed Chronic Ethanol-Induced Disturbance of PPAR-a Possibly by Suppressing Oxidative Stress and PGC-1a Acetylation, and Activating the MAPK and GSK3b Pathway PLoS ONE. 2014 Jun 04 [PMID: 24892905] (WB, Mouse)

Details:
DGAT2 antibody used for WB in specific pathogen-free/SPF male Kun-Ming mice treated or not with chronic ethanol and/or chlormethiazole (CMZ). DGAT2 was studied as rate-limiting enzyme of G synthesis and its levels were found increased in ethanol and CMZ/ethanol group mice liver. (Figure 9A)

Xu N, Zhang SO, Cole RA, McKinney SA, Guo F, Haas JT, Bobba S, Farese RV Jr, Mak HY. The FATP1-DGAT2 complex facilitates lipid droplet expansion at the ER-lipid droplet interface J Cell Biol 2012 Aug 27 [PMID: 22927462] (WB, Yeast)

Procedures

Western Blot protocolspecific for DGAT2 antibody (NBP1-71700)
Western Blot Protocol

1. Perform SDS-PAGE on samples to be analyzed, loading 40 ug of total protein per lane.
2. Transfer proteins to membrane according to the instructions provided by the manufacturer of the membrane and transfer apparatus.
3. Stain according to standard Ponceau S procedure (or similar product) to assess transfer success, and mark molecular weight standards where appropriate.
4. Rinse the blot.
5. Block the membrane using standard blocking buffer for at least 1 hour.
6. Wash the membrane in wash buffer three times for 10 minutes each.
7. Dilute primary antibody in blocking buffer and incubate 1 hour at room temperature.
8. Wash the membrane in wash buffer three times for 10 minutes each.
9. Apply the diluted HRP conjugated secondary antibody in blocking buffer (as per manufacturers instructions) and incubate 1 hour at room temperature.
10. Wash the blot in wash buffer three times for 10 minutes each (this step can be repeated as required to reduce background).
11. Apply the detection reagent of choice in accordance with the manufacturers instructions.

*Note: Tween-20 can be added to the blocking or antibody dilution buffer at a final concentration of 0.05-0.2%.

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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 guarantee, please visit www.novusbio.com/guarantee.