

For Research Use Only

DGAT2 Polyclonal antibody

Catalog Number: 17100-1-AP

5 Publications



Basic Information

Catalog Number:

17100-1-AP

Size:

150ul, Concentration: 400 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG10719

GenBank Accession Number:

BC015234

GeneID (NCBI):

84649

UNIPROT ID:

Q96PD7

Full Name:

diacylglycerol O-acyltransferase homolog 2 (mouse)

Calculated MW:

388 aa, 44 kDa

Observed MW:

39~44kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

IHC 1:50-1:500

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB, IF

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, rat

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : mouse adipose tissue, L02 cells, MCF-7 cells, Neuro-2a cells, mouse heart tissue, mouse liver tissue

IHC : human liver tissue,

Background Information

Diacylglycerol acyltransferase 2 (DGAT2) is an integral membrane protein and major enzyme that catalyzes the final step of triacylglycerol (TG) synthesis in eukaryotes (PMID: 21680734). DGAT2 is present in mitochondria-associated membranes, specialized domains of the ER that are highly enriched in lipid synthetic enzymes (PMID: 19049983). DGAT2 isoforms (39 kDa, 44kDa) have major differences in acyl-CoA substrate specificity toward erucoyl-CoA.

Notable Publications

Author	Pubmed ID	Journal	Application
Huiduo Guo	34695613	Ecotoxicol Environ Saf	WB
Wei Chen	39549860	Biochim Biophys Acta Mol Cell Biol Lipids	WB
Sami T Tuomivaara	39210032	Commun Biol	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

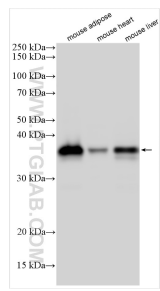
For technical support and original validation data for this product please contact:

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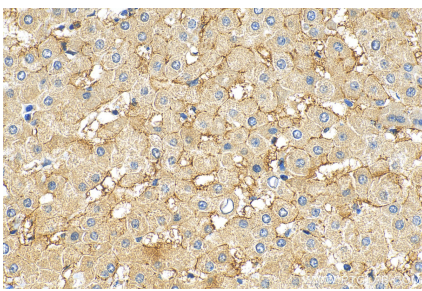
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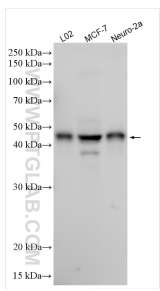
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 17100-1-AP (DGAT2 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 17100-1-AP (DGAT2 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Various lysates were subjected to SDS PAGE followed by western blot with 17100-1-AP (DGAT2 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.