

For Research Use Only

DGAT2 Polyclonal antibody

Catalog Number: 17100-1-AP **3 Publications**



Basic Information

Catalog Number: 17100-1-AP	GenBank Accession Number: BC015234	Purification Method: Antigen affinity purification
Size: 400 µg/ml	GeneID (NCBI): 84649	Recommended Dilutions: WB 1:500-1:1000 IHC 1:50-1:500
Source: Rabbit	UNIPROT ID: Q96PD7	
Isotype: IgG	Full Name: diacylglycerol O-acyltransferase homolog 2 (mouse)	
Immunogen Catalog Number: AG10719	Calculated MW: 388 aa, 44 kDa	
	Observed MW: 39 kDa, 44kDa	

Applications

Tested Applications: WB, IHC, ELISA	Positive Controls:
Cited Applications: WB, IF	WB: mouse adipose tissue, L02 cells, MCF-7 cells, Neuro-2a cells, mouse heart tissue, mouse liver tissue
Species Specificity: human, mouse, rat	IHC: human liver tissue,
Cited Species: human, rat, mouse	
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

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
Dong Guo	38017147	Cell Death Differ	IF
Liyang Ma	37516440	J Appl Microbiol	WB

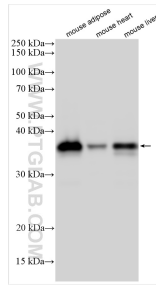
Storage

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

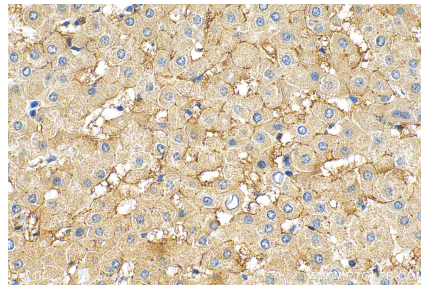
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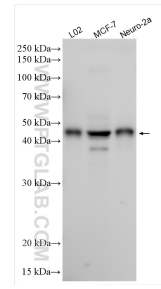
Selected Validation Data



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.