

Datasheet for ABIN679568
anti-DGAT1 antibody (AA 251-350)[Go to Product page](#)

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Overview

Quantity:	100 µL
Target:	DGAT1
Binding Specificity:	AA 251-350
Reactivity:	Human, Mouse, Rat, Dog
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DGAT1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human DGAT1
Isotype:	IgG
Cross-Reactivity:	Dog, Human, Mouse, Rat
Predicted Reactivity:	Pig,Horse
Purification:	Purified by Protein A.

Target Details

Target:	DGAT1
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Target Details

Alternative Name:	DGAT1/Diglyceride acyltransferase (DGAT1 Products)
Background:	<p>Synonyms: ARAT, DGAT, ARGP1, DIAR7, Diacylglycerol O-acyltransferase 1, ACAT-related gene product 1, Acyl-CoA retinol O-fatty-acyltransferase, Retinol O-fatty-acyltransferase, Diglyceride acyltransferase, DGAT1, AGRP1</p> <p>Background: Catalyzes the terminal and only committed step in triacylglycerol synthesis by using diacylglycerol and fatty acyl CoA as substrates. In contrast to DGAT2 it is not essential for survival. May be involved in VLDL (very low density lipoprotein) assembly. In liver, plays a role in esterifying exogenous fatty acids to glycerol. Functions as the major acyl-CoA retinol acyltransferase (ARAT) in the skin, where it acts to maintain retinoid homeostasis and prevent retinoid toxicity leading to skin and hair disorders.</p>
Gene ID:	8694
UniProt:	O75907
Pathways:	Hormone Transport

Application Details

Application Notes:	WB 1:300-5000 ELISA 1:500-1000 IHC-P 1:200-400 IHC-F 1:100-500 IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

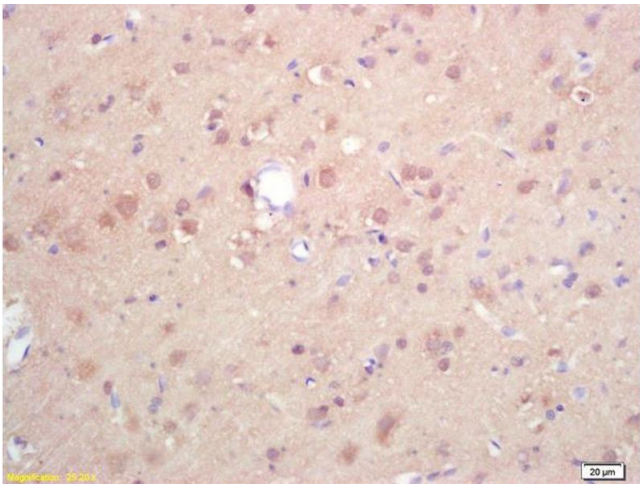
Handling

Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

Publications

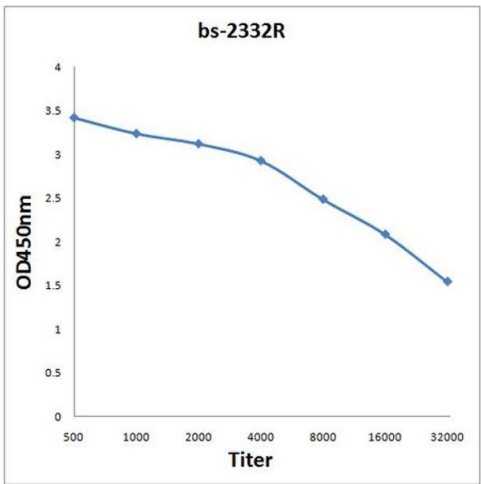
Product cited in: Li, Lu, Zhou, Zhang, Li, Zhang, Xing, Tang: "Increase of Autonomic Nerve Factors in Epicardial Ganglionated Plexi During Rapid Atrial Pacing Induced Acute Atrial Fibrillation." in: **Medical science monitor : international medical journal of experimental and clinical research**, Vol. 23, pp. 3657-3665, (2018) ([PubMed](#)).

Images



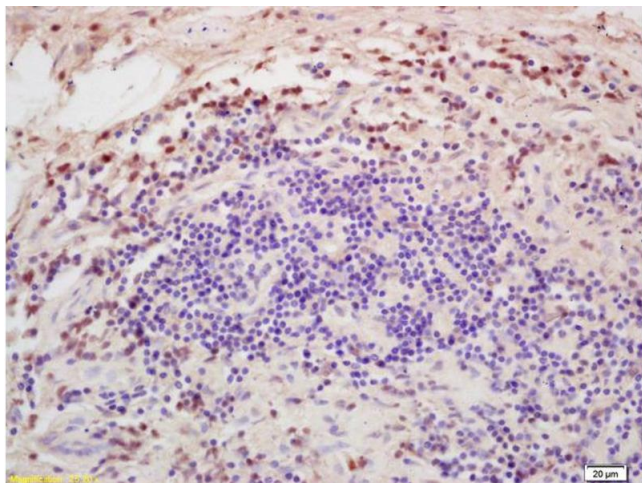
Immunohistochemistry

Image 1. Formalin-fixed and paraffin embedded rat brain labeled with Rabbit Anti DGAT1/Diglyceride acyltransferase Polyclonal Antibody, Unconjugated (ABIN679568) at 1:200 followed by conjugation to the secondary antibody and DAB staining



ELISA

Image 2. Antigen: 0.2 µg/100 µL Primary: Antiserum, 1:500, 1:1000, 1:2000, 1:4000, 1:8000, 1:16000, 1:32000; Secondary: HRP conjugated Goat-Anti-Rabbit IgG at 1: 5000; TMB staining; Read the data in MicroplateReader by 450



Immunohistochemistry

Image 3. Formalin-fixed and paraffin embedded human colon carcinoma labeled with Rabbit Anti DGAT1/Diglyceride acyltransferase Polyclonal Antibody, Unconjugated (ABIN679568) at 1:200 followed by conjugation to the secondary antibody and DAB staining