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Datasheet for ABIN306936 anti-AGPAT2 antibody

Image



Overview

Quantity:	100 µg
Target:	AGPAT2
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This AGPAT2 antibody is un-conjugated
Application:	Western Blotting (WB), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	Synthetic peptide derived from the LPAAT- protein
Isotype:	lgG
Cross-Reactivity:	Human
Characteristics:	1-AGP acyltransferase 2, 1-AGPAT 2,1-acylglycerol-3-phosphate O-acyltransferase 2, LPAAT- β ,
	2,Lysophospholipid acyltransferases (LPLATs) catalyse the addition of fatty acyl moieties to the
	glycerol backbone of lysophospholipids . In addition to playing a crutial role in the synthesis of
	structural membrane components the LPLATs are also implicated in cellular signalling
	responses for cytokines, growth factors and other agonists. Cellular signalling through the
	interleukin 1 receptor in human mesangial cells and EL-4 cells proceeds by the activation of
	lysophosphatidic acid acyltransferase (LPAAT). Activation of LPAAT by interleukin 1 results in
	the generation of unsaturated phosphatidic acid species, that are crucial to the generation of
	diacylglycerol and interleukin 1 signalling. LPLATs are also involved in signalling for increased
	interleukin 2 synthesis through the T cell antigen receptor. Activation of T-cells via anti-CD3

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Product Details	
	stimulation has been shown to increase incorporation of polyunsaturated fatty acids into phosphatidylcholine via lysophosphatidylcholine acyltransferase. Activation of this enzyme is
	essential for the sustained activation and translocation of protein kinase C.
Purification:	Antigen Immunoaffiinity Purification
Target Details	
Target:	AGPAT2
Alternative Name:	Lysophosphatidic Acid Acetyltransferse beta (AGPAT2 Products)
UniProt:	015120
Application Details	
Application Notes:	Antibody can be used for Western blotting (5-10 $\mu g/mL)$ and EIA. Optimal concentration should be evaluated by serial dilutions.
Application Notes: Restrictions:	Antibody can be used for Western blotting (5-10 µg/mL) and EIA. Optimal concentration should be evaluated by serial dilutions. For Research Use only
Application Notes: Restrictions: Handling	Antibody can be used for Western blotting (5-10 µg/mL) and EIA. Optimal concentration should be evaluated by serial dilutions. For Research Use only
Application Notes: Restrictions: Handling Buffer:	Antibody can be used for Western blotting (5-10 µg/mL) and EIA. Optimal concentration should be evaluated by serial dilutions. For Research Use only Provided as solution in phosphate buffered saline with 0.08 % sodium azide
Application Notes: Restrictions: Handling Buffer: Preservative:	Antibody can be used for Western blotting (5-10 µg/mL) and EIA. Optimal concentration should be evaluated by serial dilutions. For Research Use only Provided as solution in phosphate buffered saline with 0.08 % sodium azide Sodium azide
Application Notes: Restrictions: Handling Buffer: Preservative: Precaution of Use:	Antibody can be used for Western blotting (5-10 µg/mL) and EIA. Optimal concentration should be evaluated by serial dilutions. For Research Use only Provided as solution in phosphate buffered saline with 0.08 % sodium azide Sodium azide This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Application Notes: Restrictions: Handling Buffer: Preservative: Precaution of Use: Storage:	Antibody can be used for Western blotting (5-10 µg/mL) and EIA. Optimal concentration should be evaluated by serial dilutions. For Research Use only Provided as solution in phosphate buffered saline with 0.08 % sodium azide Sodium azide This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. -20 °C



Western Blotting

Image 1. Western blot analysis using LPAAT- β antibody on human brain lysate.

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