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Produktinformation



Forschungsprodukte & Biochemikalien



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Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Lysophosphatidic Acid Acetyltransferase beta . Rabbit Antigen Immunoaffinity Purified Polyclonal
1-AGP acyltransferase 2, 1-AGPAT 2,1-acylglycerol-3-phosphate O-acyltransferase 2, LPAAT- β , 2

BACKGROUND

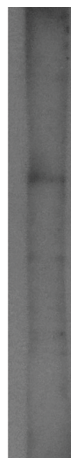
Lysophospholipid acyltransferases (LPLATs) catalyse the addition of fatty acyl moieties to the glycerol backbone of lysophospholipids . In addition to playing a crucial role in the synthesis of structural membrane components the LPLATs are also implicated in cellular signalling responses for cytokines, 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 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.

IMMUNOGEN

Synthetic peptide derived from the LPAAT- β protein

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

MW 30.9-



ORDERING INFORMATION

CATALOG NUMBER
X1652P

SIZE
10 Miniblots
FORM
Unconjugated

HOST/CLONE
Rabbit

FORMULATION
Provided as solution in phosphate buffered saline with 0.08% sodium azide

CONCENTRATION
See vial for concentration

ISOTYPE
IgG

APPLICATIONS
Western Blot, Enzyme Immunoassay

SPECIES REACTIVITY
Human

ACCESSION NUMBER
Human O15120

POSITIVE CONTROL/TISSUE EXPRESSION

Human brain lysate (Cat. No. X1633C)

COMMENTS

Antibody can be used for Western blotting (5-10 µg/ml) and EIA. Optimal concentration should be evaluated by serial dilutions.

PURIFICATION

Antigen Immunoaffinity Purification

SHIP CONDITIONS

Ship on dry ice, freeze upon arrival

STORAGE CUSTOMER

Product should be stored at -20°C. Aliquot to avoid freeze/thaw cycles

STABILITY

Products are stable for one year from purchase when stored properly

REFERENCES

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- [2] Stamps A.C., Elmore M.A., Hill M.E., Kelly K., Makda A.A., Finnen M.J.; A human cDNA sequence with homology to non-mammalian lysophosphatidic acid acyltransferases.; Biochem. J. 326:455-461(1997).
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- [5] Strausberg R.L., et al Generation and initial analysis of more than 15,000 full-length human and mouse cDNA sequences.; Proc. Natl. Acad. Sci. U.S.A. 99:16899-16903(2002).
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PRODUCT SPECIFIC REFERENCES