Mouse 1-acyl-sn-glycerol-3-phosphate acyltransferase gamma (AGPAT3) ELISA Kit | AGPAT3 elisa kit

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CATALOG #	REACTIVITY
AAA244309	**Mouse**

PRODUCT SYNONYMS

1-acyl-sn-glycerol-3-phosphate acyltransferase gamma (AGPAT3); Mouse 1-acyl-sn-glycerol-3-phosphate acyltransferase gamma (AGPAT3) ELISA Kit; AGPAT3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of AGPAT3. No significant cross-reactivity or interference between AGPAT3 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between AGPAT3 and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	0.1 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for AGPAT3 elisa kit	Intended Uses: This AGPAT3 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of MouseAGPAT3. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: AGPAT3 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-AGPAT3 antibody and an AGPAT3-HRP conjugate. The assay sample and buffer are incubated together with AGPAT3-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the AGPAT3 concentration since AGPAT3 from samples and AGPAT3-HRP conjugate compete for the anti-AGPAT3 antibody binding site. Since the number of sites is limited, as more sites are occupied by AGPAT3 from the sample, fewer sites are left to bind AGPAT3-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The AGPAT3 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	83267874
NCBI GeneID	56894
NCBI Accession #	NP_001032642.1
NCBI GenBank Nucleotide #	NM_001037553.1
Molecular Weight	45,514 Da
NCBI Official Full Name	1-acyl-sn-glycerol-3-phosphate acyltransferase gamma
NCBI Official Synonym Full Names	1-acylglycerol-3-phosphate O-acyltransferase 3
NCBI Official Symbol	AGPAT3
NCBI Official Synonym Symbols	LPAAT3; LPAAT-GAMMA1
NCBI Protein Information	1-acyl-sn-glycerol-3-phosphate acyltransferase gamma; 1-AGPAT 3; 1-AGP acyltransferase 3; lysophosphatidic acid acyltransferase gamma; lysophosphatidic acid acyltransferase-gamma1
UniProt Protein Name	1-acyl-sn-glycerol-3-phosphate acyltransferase gamma
UniProt Gene Name	**AGPAT3**
UniProt Synonym Gene Names	LPAAT3; UNQ759/PRO1490; 1-AGP acyltransferase 3; 1-AGPAT 3; LPAAT-gamma
UniProt Entry Name	PLCC_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/mouse-elisa-kits/1-acyl-sn-glycerol-3-phosphate-acyltransferase-gamma-agpat3/244309