



PRODUCT DATA SHEET

Bioworld Technology, Inc.

SOAT2 polyclonal antibody

Catalog: BS34729

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

Sterol O-acyltransferase 2: Catalyzes the formation of fatty acid-cholesterol esters, which are less soluble in membranes than cholesterol. Plays a role in lipoprotein assembly and dietary cholesterol absorption. Utilizes oleoyl-CoA ((9Z)-octadecenoyl-CoA) and linolenoyl-CoA ((9Z,12Z,15Z)-octadecatrienoyl-CoA) as substrates. May provide cholesteryl esters for lipoprotein secretion from hepatocytes and intestinal mucosa

Product:

1mg/ml in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.

Molecular Weight:

~59.9 kDa

Swiss-Prot:

O75908

Purification&Purity:

The antibody was purified by immunogen affinity chromatography.

Applications:

WB (1/500 - 1/1000)

Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

Recognizes endogenous levels of SOAT2 protein

DATA:

Western blot analysis of Pyridoxal Kinase expression in Hela (A), HepG2 (B), MCF7 (C), HEK293 (D), mouse liver (E), mouse kidney (F) whole cell lysates.

Immunohistochemical analysis of Pyridoxal Kinase staining in human cervical cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

Immunofluorescent analysis of Pyridoxal Kinase staining in Hela cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with an AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

Flow cytometric analysis of HEK293 cells using Anti-Pyridoxal Kinase Antibody (green) and negative control (red).

Note:

For research use only, not for use in diagnostic procedure.

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