

**POPDC3 polyclonal antibody**

Catalog: BS36101

Host: Rabbit

Reactivity: Human, Mouse

BackGround:

Popeye domain-containing protein 3: May play a role in the maintenance of heart function mediated, at least in part, through cAMP-binding. May play a role in the regulation of KCNK2/TREK-1-mediated current amplitude

Product:

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

Molecular Weight:

~33.9 kDa

Swiss-Prot:

Q9HBV1

Purification&Purity:

The antibody was purified by immunogen affinity chromatography.

Applications:

WB (1/500 - 1/1000), IHC (1/50 - 1/200)

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 POPDC3 protein

DATA:

Western blot analysis of CD107a expression in Hela (A), Ecv304 (B), A431 (C), MCF7 (D) whole cell lysates.

Immunohistochemical analysis of CD107a staining in human liver 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 CD107a 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-CD107a Antibody (green) and negative control (red).

Note:

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

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