

**SPPL2C polyclonal antibody**

Catalog: BS34745

Host: Rabbit

Reactivity: Human, Mouse

BackGround:

Signal peptide peptidase-like 2C: Sperm-specific intramembrane-cleaving aspartic protease (I-CLiP) that cleaves distinct tail-anchored proteins and SNARE proteins. In elongated spermatids, modulates intracellular Ca^{2+} homeostasis by controlling PLN abundance through proteolytic cleavage (By similarity). During spermatogenesis, processes SNARE proteins and impacts vesicular trafficking which supports compartmental reorganization in maturing spermatids and may play a role in formation of the acrosome

Product:

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

Molecular Weight:

~74.5 kDa

Swiss-Prot:

Q8IUH8

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 SPPL2C protein

DATA:

Western blot analysis of IGHA1 expression in A2058 (A) whole cell lysates.

Immunohistochemical analysis of IGHA1 staining in human skin 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.

Flow cytometric analysis of HL60 cells using Anti-IGHA1 Antibody. The cells were fixed with 2% paraformaldehyde (10 min) and then permeabilized with 90% methanol for 10 min. The cells were incubated in 2% bovine serum albumin to block non-specific protein-protein interactions followed by the antibody at 37 °C for 60 min. The secondary antibody Goat Anti-Rabbit IgG (H&L) - AF488 was incubated at 37 °C for 40 min. Isotype control antibody (blue line) was used under the same condition.

Note:

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

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