

**GRAMD1B polyclonal antibody**

Catalog: BS34738

Host: Rabbit

Reactivity: Human, Mouse

BackGround:

Protein Aster-B: Cholesterol transporter that mediates non-vesicular transport of cholesterol from the plasma membrane (PM) to the endoplasmic reticulum (ER) (By similarity). Contains unique domains for binding cholesterol and the PM, thereby serving as a molecular bridge for the transfer of cholesterol from the PM to the ER (By similarity). Plays a crucial role in cholesterol homeostasis in the adrenal gland and has the unique ability to localize to the PM based on the level of membrane cholesterol (By similarity). In lipid-poor conditions localizes to the ER membrane and in response to excess cholesterol in the PM is recruited to the endoplasmic reticulum-plasma membrane contact sites (EPCS) which is mediated by the GRAM domain (By similarity). At the EPCS, the sterol-binding VAS/ASTER domain binds to the cholesterol in the PM and facilitates its transport from the PM to ER (By similarity). Also me...

Product:

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

Molecular Weight:

~85.4 kDa

Swiss-Prot:

Q3KR37

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 GRAMD1B protein

DATA:

Western blot analysis of CD108 expression in Hela (A), Y79 (B) whole cell lysates.

Note:

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

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