

SAMD8 polyclonal antibody

Catalog: BS31621

Host: Rabbit

Reactivity: Human, Mouse

BackGround:

Sphingomyelin synthase-related protein 1: Has phospholipase C (PLC) activity . Shows specificity for phosphatidylethanolamine

(1,2-diacyl-sn-glycero-3-phosphoethanolamine, PE), hydrolyzing PE to produce phosphoethanolamine and diacylglycerol (1,2-diacyl-sn-glycerol, DAG) . This reaction might act as a regulatory switch to activate serine palmitoyltransferase (SPT) and promote sphingolipid metabolism (By similarity). Can also function as a ceramide phosphoethanolamine (N-acylsphingoid 1-phosphoethanolamine, CPE) synthase when intracellular ceramide levels are elevated . Binds the headgroup from PE, which is smaller and more hydrophilic than the phosphocholine headgroup transferred in the canonical sphingomyelin synthesis (SMS) reaction by SMS1 or SMS2, and transfers it on to the primary hydroxyl of a ceramide in the lumen of the endoplasmic reticulum . Plays a role as a ceramide sensor, helping to regulate ceramide homeostasis...

Product:

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

Molecular Weight:

~48.3 kDa

Swiss-Prot:

Q96LT4

Purification&Purity:

The antibody was purified by immunogen affinity chromatography.

Applications:

WB (1/500 - 1/1000)

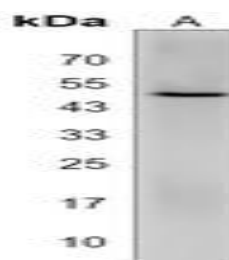
Storage&Stability:

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

Specificity:

Recognizes endogenous levels of SAMD8 protein.

DATA:



Western blot analysis of PBGD expression in Hela (A), Raji (B), K562 (C) whole cell lysates.

Note:

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

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