ZDHHC12 polyclonal antibody

Catalog: BS33711 Host: Rabbit Reactivity: Human, Mouse, Rat

BackGround:

Palmitoyltransferase that catalyzes the addition of palmitate onto various protein substrates . Has a palmitoyltransferase activity toward gephyrin/GPHN, regulating its clustering at synapses and its function in gamma-aminobutyric acid receptor clustering (By similarity). Thereby, indirectly regulates GABAergic synaptic transmission (By similarity). Negatively regulates NLRP3-driven inflammation. Catalyzes NLRP3 palmitoylation, leading to its degradation via the chaperone-mediated autophagy (CMA) process

Product:

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

Molecular Weight:

~30.8 kDa

Swiss-Prot:

Q96GR4

Purification&Purity:

The antibody was purified by immunogen affinity chromatography.

Applications:

WB (1/500 - 1/1000)

Storage&Stability:

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

Specificity:

Recognizes endogenous levels of ZDHHC12 protein

DATA:

Western blot analysis of LYN (Phospho-Y397) expression in Jurkat (A), human spleen (B), mouse lung (C) whole cell lysates.

Immunohistochemical analysis of LYN (Phospho-Y397) staining in human breast 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 LYN (Phospho-Y397) staining in Jurkat 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 ℃ in a hidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).

Note:

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

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