

ZDHHC5 polyclonal antibody

Catalog: BS34464

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

Palmitoyltransferase that catalyzes the addition of palmitate onto various protein substrates such as CTNND2, CD36, GSDMD, NLRP3, NOD1, NOD2, STAT3 and S1PR1 thus plays a role in various biological processes including cell adhesion, inflammation, fatty acid uptake, bacterial sensing or cardiac functions . Plays an important role in the regulation of synapse efficacy by mediating palmitoylation of delta-catenin/CTNND2, thereby increasing synaptic delivery and surface stabilization of alpha-amino-3-hydroxy-5-methyl-4-isoxazole propionic acid receptors (AMPA receptors) . Under basal conditions, remains at the synaptic membrane through FYN-mediated phosphorylation that prevents association with endocytic proteins . Neuronal activity enhances the internalization and trafficking of DHHHC5 from spines to dendritic shafts where it palmitoylates delta-catenin/CTNND2 . Regulates cell adhesion at the pla...

Product:

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

Molecular Weight:

~77.5 kDa

Swiss-Prot:

Q9C0B5

Purification&Purity:

The antibody was purified by immunogen affinity chromatography.

Applications:

WB (1/500 - 1/1000)

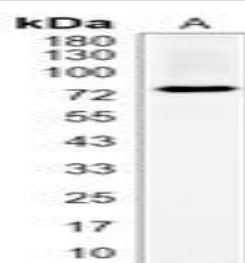
Storage&Stability:

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

Specificity:

Recognizes endogenous levels of ZDHHC5 protein

DATA:



Western blot analysis of HSP72 expression in HL60 (A) whole cell lysates.

Immunofluorescent analysis of HSP72 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 a AF488-conjugated secondary antibody (green) 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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