



LPHN3 polyclonal antibody

Catalog: BS33293

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

Adhesion G protein-coupled receptor L3: Orphan adhesion G protein-coupled receptor (aGPCR), which mediates synapse specificity. Ligand binding causes a conformation change that triggers signaling via guanine nucleotide-binding proteins (G proteins) and modulates the activity of downstream effectors. ADGRL3 is coupled with different classes of G alpha proteins, such as G(12)/G(13), G(s), G(i) or G(q), depending on the context. Coupling to G(12)/G(13) G proteins, which mediates the activation Rho small GTPases is the most efficient. Following G protein-coupled receptor activation, associates with cell adhesion molecules that are expressed at the surface of adjacent cells to direct synapse specificity. Specifically mediates the establishment of Schaffer-collateral synapses formed by CA3-region axons on CA1-region pyramidal neurons in the hippocampus (By similarity). Localizes to postsynaptic spines in excitatory synapses...

Product:

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

Molecular Weight:

~162 kDa

Swiss-Prot:

Q9HAR2

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 LPHN3 protein

DATA:

Western blot analysis of CD11b expression in U937 (A), mouse spleen (B), rat lung (C) whole cell lysates.

Immunohistochemical analysis of CD11b staining in mouse spleen 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 CD11b staining in THP1 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 AF594-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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