Frizzled-9 polyclonal antibody

Catalog: BS5723 Host: Rabbit Reactivity: Human,Mouse,Rat

BackGround:

The frizzled gene, originally identified in Drosophila melanogaster, is involved in the development of tissue polarity. The mammalian homolog of frizzled as well as several secreted mammalian frizzled-related proteins (FRPs) have been described. The frizzled proteins contain seven transmembrane domains, a cysteine-rich domain in the extracellular region and a carboxy terminal Ser/Thr-xxx-Val motif. They function as receptors for Wnt and are generally coupled to G proteins. The frizzled-9 gene is located within the Williams Syndrome common deleted region at chromosomal band 7q11.23. Heterozygous deletion of the frizzled-9 gene may contribute to the Williams Syndrome phenotype. In mouse, frizzled-9 overexpression can induce the hyperphosphorylation and relocalization of Dvl-1 from the cytoplasm to the cell membrane and cytosolic β-catenin accumulation. In rat, frizzled-9 is important in Wnt/β-catenin signaling in 293T cells. Frizzled-9 is expressed predominantly in brain, testis, eye, skeletal muscle, and kidney.

Product:

1 mg/ml in Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.2.

Molecular Weight:

~ 64 kDa

Swiss-Prot:

O00144

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:500~1:1000

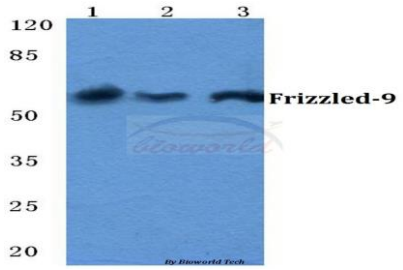
Storage&Stability:

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

Specificity:

Frizzled-9 polyclonal antibody detects endogenous levels of Frizzled-9 protein.

DATA:



Western blot (WB) analysis of Frizzled-9 polyclonal antibody at 1:500 dilution

Lane1:HEK293T cell lysate

Lane2:Raw264.7 cell lysate

Lane3:PC12 cell lysate

Note:

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

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