

[Primary Antibody]

Frizzled 2 Rabbit pAb



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ANTIBODIES

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— DATASHEET

Host: Rabbit

Isotype: IgG

Applications: WB (1:500-2000)

Clonality: Polyclonal

GeneID: 2535

SWISS: 014332

Target: Frizzled 2

Immunogen: KLH conjugated synthetic peptide derived from human Frizzled 2: 61-160/565.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

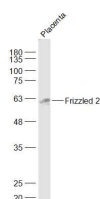
Background: The frizzled gene, originally identified in *Drosophila melanogaster*, is involved in the development of tissue polarity. The mammalian homolog of frizzled as well as several secreted mammalian frizzled-related proteins (FRPs) have been described. The frizzled proteins contain seven transmembrane 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. Expression of frizzled-2 can be observed in the fetal kidney and lung and in the adult ovary and colon. The Wnt/cGMP/Ca²⁺ pathway is mediated by frizzled-2. It binds Wnt proteins and signals by activating the release of stored calcium. Expression of frizzled-2 is regulated by Angiotensin II. Activated frizzled-2 suppresses the activity of protein kinase G, and activates NFAT-dependent transcription, the phosphatidylinositol pathway and calcium sensitive enzymes.

Reactivity: Mouse, Rat
(predicted: Human, Rabbit,
Pig, Sheep, Cow, Dog, Goat)

Predicted
MW.: 60 kDa

Subcellular Location: Cell membrane

— VALIDATION IMAGES



Sample: Placenta (Mouse) Lysate at 40 ug
Primary: Anti-Frizzled 2 (bs-6623R) at 1/1000
dilution Secondary: IRDye800CW Goat Anti-
Rabbit IgG at 1/20000 dilution Predicted band
size: 60 kD Observed band size: 60 kD

— SELECTED CITATIONS

- **[IF=5.3]** Xiang Fei. et al. Wnt4 increases the thickness of the epidermis in burn wounds by activating canonical Wnt signalling and decreasing the cell junctions between epidermal cells. *BURNS TRAUMA*. 2023 Jul;11: ICC,CoIP,WB ;Human. 37408701

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.