

**Frizzled-2 (E240) polyclonal antibody**

Catalog: BS3163

Host: Rabbit

Reactivity: Human, Mouse, Rat

**BackGround:**

The frizzled gene, originally identified in *Drosophila melanogaster*, is involved in the development of tissue polarity. The frizzled proteins contain seven transmembrane domains, a cysteine-rich domain in the extracellular region and a carboxy-terminal Ser/Thr-XXX-Val motif. The proteins in this family function as receptors for Wnt and are generally coupled to G proteins. Frizzleds are members of the G protein-coupled receptor superfamily. Frizzled-2 is expressed in the fetal kidney and lung and in the adult ovary and colon. Frizzled-2 mediates the Wnt/cGMP/Ca<sup>2+</sup> pathway. It binds Wnt proteins and signals by activating the release of stored calcium. Frizzled-2 expression 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.

**Product:**

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

**Molecular Weight:**

~ 65 kDa

**Swiss-Prot:**

Q14332

**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:**

IHC: 1:50~1:200

IF: 1:50~1:200

**Storage&Stability:**

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

**Specificity:**

Frizzled-2 (E240) polyclonal antibody detects endogenous levels of Frizzled-2 protein.

**DATA:****Note:**

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

**Bioworld Technology, Inc.**

Add: 1660 South Highway 100, Suite 500 St. Louis Park, MN 55416, USA.

Email: [info@bioworld.com](mailto:info@bioworld.com)

Tel: 6123263284

Fax: 6122933841

**Bioworld technology, co. Ltd.**

Add: No 9, weidi road Qixia District Nanjing, 210046, P. R. China.

Email: [info@biogol.com](mailto:info@biogol.com)

Tel: 0086-025-68037686

Fax: 0086-025-68035151