

AP01257PU-N**Polyclonal Antibody to FZD5/FZD8 - Aff - Purified****Alternate names:**

Frizzled-5, Frizzled-8

Quantity:

0.1 mg

Concentration:

1.0 mg/ml

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: FRP-1 (also designated SARP2), FRP-2 (also designated SARP1), FRP-3, FRP-4 and SARP3 (also designated FRP-5), have been identified. 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. The frizzled-1 gene maps to human chromosome 7q21 and is expressed in adult heart, placenta, lung, kidney, pancreas, prostate and ovary and in fetal lung and kidney. Frizzled-2 is expressed in adult heart and fetal brain, lung and kidney. The frizzled related proteins FRP-1, FRP-2, FRP-3, FRP-4 and SARP3 are secreted proteins of approximately 30 kDa that contain regions of homology to the cysteine-rich ligand-binding domain of frizzled and a conserved hydrophilic carboxy terminal.

Host:

Rabbit

Immunogen:

Synthetic peptide, corresponding to amino acids 42-90 of Human Frizzled-5.

Format:**State:** Liquid purified Ig fraction**Purification:** Affinity-chromatography using epitope-specific immunogen**Buffer System:** Phosphate buffered saline (PBS)**Preservatives:** 0.05% Sodium azide**Applications:****Western blot:** 1/500-1/1000.**Immunofluorescence:** 1/50-1/200.

Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Molecular Weight:

~ 75 kDa

Specificity:

This antibody detects endogenous levels of FZD5 / FZD8 protein (region surrounding Trp73).

Species Reactivity:**Tested:** Human.**Expected from sequence similarity:** Mouse and Rat.**Storage:**

Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.

Avoid repeated freezing and thawing.

Shelf life: one year from despatch.

Pictures:

Western blot analysis with extracts from Jurkat cells using FZD5/FZD8 antibody (Cat.-No. AP01257PU-N).

