

**DATASHEET**

**Frizzled 9 Rabbit Polyclonal Antibody**

CAT. NO. APA09892

**KEY FEATURES**

|               |                                                                                                           |               |                     |
|---------------|-----------------------------------------------------------------------------------------------------------|---------------|---------------------|
| Target        | Frizzled 9                                                                                                | Source / Host | Rabbit              |
| Reactivity    | Human, Mouse, Rat                                                                                         | Clonality     | Polyclonal          |
| Applications  | WB, IF/ICC                                                                                                | Conjugation   | Unconjugated        |
| Form / Buffer | Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide. |               | Storage<br>at -20°C |

**BACKGROUND**

Receptor for WNT2 that is coupled to the beta-catenin canonical signaling pathway, which leads to the activation of disheveled proteins, inhibition of GSK-3 kinase, nuclear accumulation of beta-catenin and activation of Wnt target genes . Plays a role in neuromuscular junction (NMJ) assembly by negatively regulating the clustering of acetylcholine receptors (AChR) through the beta-catenin canonical signaling pathway . May play a role in neural progenitor cells (NPCs) viability through the beta-catenin canonical signaling pathway by negatively regulating cell cycle arrest leading to inhibition of neuron apoptotic process assembly by negatively regulating the clustering of acetylcholine receptors (AChR) through the beta-catenin canonical signaling pathway .

**APPLICATION**

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

|        |                |
|--------|----------------|
| WB     | 1:500 - 1:1000 |
| IF/ICC | 1:100 - 1:500  |

\*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

**PRODUCT OVERVIEW**

|                   |                                                                                                                                           |
|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| Description       | Rabbit polyclonal antibody to Frizzled 9                                                                                                  |
| Specificity       | Recognizes endogenous levels of Frizzled 9 protein.                                                                                       |
| Antibody Type     | Primary antibody                                                                                                                          |
| Immunogen         | KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human Frizzled 9. The exact sequence is proprietary. |
| Purification      | The antibody was purified by immunogen affinity chromatography.                                                                           |
| Molecular Weight  | Predicted: 64 kD; Observed: 80 kD                                                                                                         |
| Form/Buffer       | Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.                                 |
| Alternative Names | FZD3; Frizzled-9; Fz-9; hFz9; FzE6; CD349                                                                                                 |
| Gene Symbol       | FZD9                                                                                                                                      |
| Entrez Gene       | 8326(Human); 14371(Mouse)                                                                                                                 |
| SwissProt         | O00144(Human); Q9R216(Mouse)                                                                                                              |

\*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact [info@arexbio.com](mailto:info@arexbio.com) or your local distributor.

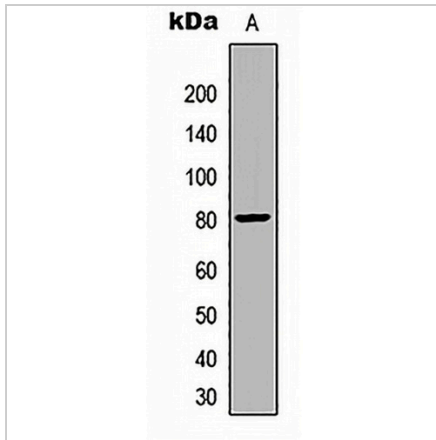
\*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

**DATASHEET**

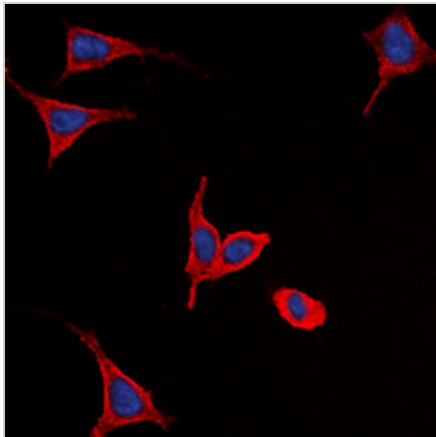
**Frizzled 9 Rabbit Polyclonal Antibody**

CAT. NO. APA09892

**DATA**



Western blot analysis of Frizzled 9 expression in Y79 (A) whole cell lysates. (Predicted band size: 64 kD; Observed band size: 80 kD)



Immunofluorescent analysis of Frizzled 9 staining in Y79 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 DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).

**STORAGE**

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

**NOTE**

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.