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**Product Name: KD-Validated Frizzled Class Receptor 9 Recombinant Rabbit Monoclonal Antibody****Catalog #: KVA01790**

For research use only.

**Summary**

|                     |                                                                             |
|---------------------|-----------------------------------------------------------------------------|
| <b>Description</b>  | KO&KD-Validated antibody                                                    |
| <b>Host</b>         | Rabbit                                                                      |
| <b>Application</b>  | WB,FCM                                                                      |
| <b>Reactivity</b>   | Human                                                                       |
| <b>Conjugation</b>  | Unconjugated                                                                |
| <b>Modification</b> | Unmodified                                                                  |
| <b>Isotype</b>      | Rabbit IgG                                                                  |
| <b>Clonality</b>    | Rabbit mAb                                                                  |
| <b>Form</b>         | Liquid                                                                      |
| <b>Storage</b>      | Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles. |
| <b>Shipping</b>     | Ice bags                                                                    |
| <b>Buffer</b>       | Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.   |
| <b>Purification</b> | Affinity purification                                                       |

**Application**

|                         |                                      |
|-------------------------|--------------------------------------|
| <b>Dilution Ratio</b>   | WB 1:1,000-1:5,000; FC 1:200-1:2,000 |
| <b>Molecular Weight</b> | Calculated MW: 64.5kDa               |

**Antigen Information**

|                          |                                                                                                                                                                            |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>         | FZD9<br>FZD9; Frizzled Class Receptor 9; FZD3; CD349; Frizzled 9, Seven Transmembrane Spanning                                                                             |
| <b>Alternative Names</b> | Receptor; Frizzled Family Receptor 9; Frizzled-9; Fz-9; FzE6; HFz9; Frizzled (Drosophila)<br>Homolog 9; Frizzled Homolog 9 (Drosophila); Frizzled Homolog 9; CD349 Antigen |
| <b>Gene ID</b>           | 8326.0                                                                                                                                                                     |
| <b>SwissProt ID</b>      | O00144                                                                                                                                                                     |
| <b>Immunogen</b>         | A synthesized peptide derived from human Frizzled 9 / CD349                                                                                                                |

**Background**

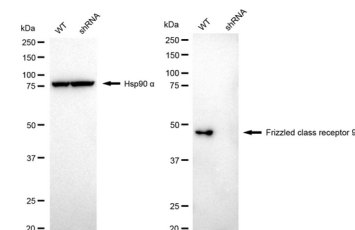
Members of the 'frizzled' gene family encode 7-transmembrane domain proteins that are receptors for Wnt signaling proteins.

The FZD9 gene is located within the Williams syndrome common deletion region of chromosome 7, and heterozygous deletion of the FZD9 gene may contribute to the Williams syndrome phenotype. FZD9 is expressed predominantly in brain, testis, eye, skeletal muscle, and kidney. [provided by RefSeq, Jul 2008]

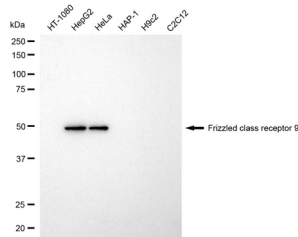
## Research Area

Neuroscience, Stem Cells

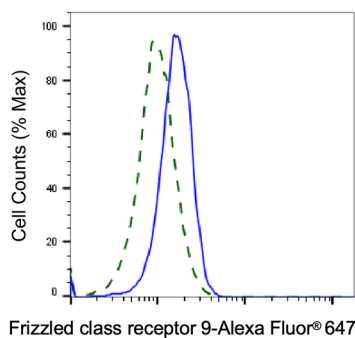
## Image Data



Western blotting analysis using frizzled class receptor 9 antibody (KVA01790). Frizzled class receptor 9 expression in wild type (WT) and frizzled class receptor 9 (FZD9) shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with frizzled class receptor 9 antibody (KVA01790, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using frizzled class receptor 9 antibody (KVA01790). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with frizzled class receptor 9 antibody (KVA01790, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Validation of Frizzled class receptor 9 knockdown using flow cytometry. Wild-type (WT, Blue) and knockdown (KD, Green) HeLa cells were stained with Frizzled class receptor 9 antibody (KVA01790, 1:2,000) and analyzed using BD flow cytometer.