

## Product datasheet for **TA344066**

### Frizzled 9 (FZD9) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-FZD9 antibody: synthetic peptide directed towards the N terminal of human FZD9. Synthetic peptide located within the following region: TRNDPHALCMEAPENATAGPAEPHKGLGMLPVAPRPAPPPGDLGPGAGGS
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	64 kDa
Gene Name:	frizzled class receptor 9
Database Link:	<a href="#">NP_003499</a> <a href="#">Entrez Gene 8326 Human</a> <a href="#">O00144</a>



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**Background:**

FZD9 contains 1 FZ (frizzled) domain and belongs to the G-protein coupled receptor Fz/Smo family. It is receptor for Wnt proteins. Most of frizzled receptors are 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. A second signaling pathway involving PKC and calcium fluxes has been seen for some family members. It may be involved in transduction and intercellular transmission of polarity information during tissue morphogenesis and/or in differentiated tissues. 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.

**Synonyms:**

CD349; FZD3

**Note:**

Immunogen Sequence Homology: Human: 100%; Pig: 86%; Guinea pig: 86%; Rat: 85%; Mouse: 85%; Dog: 80%

**Protein Families:**

Druggable Genome, GPCR, Transmembrane

**Protein Pathways:**

Basal cell carcinoma, Colorectal cancer, Melanogenesis, Pathways in cancer, Wnt signaling pathway

**Product images:**

WB Suggested Anti-FZD9 Antibody Titration: 0.2-1 ug/ml; ELISA Titer: 1: 62500; Positive Control: Human brain