

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: TRNDPHALCMEAPENATAGPAEPHKGLGMLPVAPRPARPPGDLGPGAGGS

Formulation: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2%

sucrose.

Note that this product is shipped as lyophilized powder to China customers.

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: NP 003499

Entrez Gene 8326 Human

<u>000144</u>



OriGene Technologies, Inc. 9620 Medical Center Drive, Ste 200

CN: techsupport@origene.cn

Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com



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:

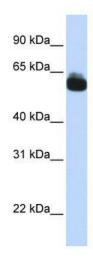
85%; Dog: 80%

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