



[Go to Product page](#)

Datasheet for ABIN2776709  
**anti-FZD9 antibody (N-Term)**

2 Images

1 Publication

### Overview

|                      |  |
|----------------------|--|
| Quantity:            | 100 µL   |
| Target:              | FZD9   |
| Binding Specificity: | N-Term   |
| Reactivity:          | Human, Mouse, Rat, Dog, Cow, Guinea Pig, Rabbit, Zebrafish (Danio rerio) |
| Host:                | Rabbit   |
| Clonality:           | Polyclonal   |
| Conjugate:           | This FZD9 antibody is un-conjugated                                      |
| Application:         | Western Blotting (WB), Immunohistochemistry (IHC)                        |

### Product Details

|                       |   |
|-----------------------|---|
| Immunogen:            | The immunogen is a synthetic peptide directed towards the N terminal region of human FZD9                     |
| Sequence:             | RPPGDLGPGA GSGTCENPE KFQYVEKSRS CAPRCGPGVE VFWSRRDKDF   |
| Predicted Reactivity: | Cow: 100%, Dog: 100%, Guinea Pig: 100%, Human: 100%, Mouse: 93%, Rabbit: 92%, Rat: 93%, Zebrafish: 100%       |
| Characteristics:      | This is a rabbit polyclonal antibody against FZD9. It was validated on Western Blot and immunohistochemistry. |
| Purification:         | Protein A purified  |

### Target Details

|         |      |
|---------|------|
| Target: | FZD9 |
|---------|------|

## Target Details

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Alternative Name: FZD9 ([FZD9 Products](#))

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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.

Alias Symbols: FZD3, CD349

Protein Interaction Partner: KRTAP10-3, SIAH1, MDFI, WNT7A, WNT1, WNT2,

Protein Size: 591

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Molecular Weight: 65 kDa

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Gene ID: 8326

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NCBI Accession: [NM\\_003508](#), [NP\\_003499](#)

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UniProt: [O00144](#)

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Pathways: [WNT Signaling](#)

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## Application Details

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Application Notes: Optimal working dilutions should be determined experimentally by the investigator.

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Comment: Antigen size: 591 AA

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Restrictions: For Research Use only

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## Handling

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Format: Liquid

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Concentration: Lot specific

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

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## Handling

sucrose.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeated freeze-thaw cycles.

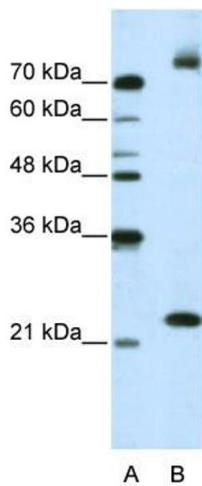
Storage: -20 °C

Storage Comment: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

## Publications

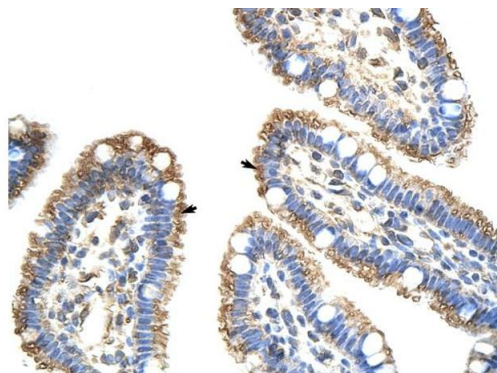
Product cited in: Mitkus, Hyde, Vakkalanka, Kolachana, Weinberger, Kleinman, Lipska: "Expression of oligodendrocyte-associated genes in dorsolateral prefrontal cortex of patients with schizophrenia." in: **Schizophrenia research**, Vol. 98, Issue 1-3, pp. 129-38, (2007) ([PubMed](#)).

## Validation report #101227 for Western Blotting (WB)



### Western Blotting

**Image 1.** WB Suggested Anti-FZD9 Antibody Titration:  
2.5ug/ml Positive Control: Jurkat cell lysate



Rabbit Anti-FZD9 Antibody  
Catalog Number: ARP41253  
Lot Number: QC10011  
Paraffin Embedded Tissue: Human Intestine  
Cells with Positive label: Epithelial cells of intestinal villus (Indicated with Arrows)  
Antibody Concentration: 4.0-8.0  $\mu\text{g/ml}$   
Magnification: 400X

## Immunohistochemistry

**Image 2.** Rabbit Anti-FZD9 Antibody Paraffin Embedded  
Tissue: Human Intestine Cellular Data: Epithelial cells of  
intestinal villas Antibody Concentration: 4.0-8.0  $\mu\text{g/ml}$   
Magnification: 400X