

Datasheet for ABIN7153185  
**anti-FZD4 antibody (AA 37-222)**

## 3 Images

[Go to Product page](#)

## Overview

Quantity:	100 µg
Target:	FZD4
Binding Specificity:	AA 37-222
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This FZD4 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF)

## Product Details

Immunogen:	Recombinant Human Frizzled-4 protein (37-222AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

## Target Details

Target:	FZD4
Alternative Name:	FZD4 ( <a href="#">FZD4 Products</a> )
Background:	Background: Receptor for Wnt proteins. Most of frizzled receptors are coupled to the beta-catenin (CTNNB1) canonical signaling pathway, which leads to the activation of disheveled

## Target Details

proteins, inhibition of GSK-3 kinase, nuclear accumulation of beta-catenin (CTNNB1) and activation of Wnt target genes. Plays a critical role in retinal vascularization by acting as a receptor for Wnt proteins and norrin (NDP). In retina, it can be both activated by Wnt protein-binding, but also by a Wnt-independent signaling via binding of norrin (NDP), promoting in both cases beta-catenin (CTNNB1) accumulation and stimulation of LEF/TCF-mediated transcriptional programs. A second signaling pathway involving PKC and calcium fluxes has been seen for some family members, but it is not yet clear if it represents a distinct pathway or if it can be integrated in the canonical pathway, as PKC seems to be required for Wnt-mediated inactivation of GSK-3 kinase. Both pathways seem to involve interactions with G-proteins. May be involved in transduction and intercellular transmission of polarity information during tissue morphogenesis and/or in differentiated tissues.

Aliases: CD 344 antibody, CD 344 antigen antibody, CD344 antibody, CD344 antigen antibody, EVR1 antibody, FEVR antibody, Frizzled (Drosophila) homolog 4 antibody, Frizzled 4 antibody, Frizzled family receptor 4 antibody, Frizzled homolog 4 (Drosophila) antibody, Frizzled-4 antibody, Fz 4 antibody, Fz-4 antibody, Fz4 antibody, FZD4 antibody, FZD4\_HUMAN antibody, FZD4S antibody, FzE4 antibody, GPCR antibody, hFz4 antibody, MGC34390 antibody, WNT receptor frizzled 4 antibody

UniProt: [Q9ULV1](#)

Pathways: [WNT Signaling](#), [Hormone Transport](#), [Sensory Perception of Sound](#)

## Application Details

Application Notes: Recommended dilution: WB:1:200-1:5000, IHC:1:20-1:200, IF:1:50-1:200,

Restrictions: For Research Use only

## Handling

Format: Liquid

Buffer: Preservative: 0.03 % Proclin 300  
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

Preservative: ProClin

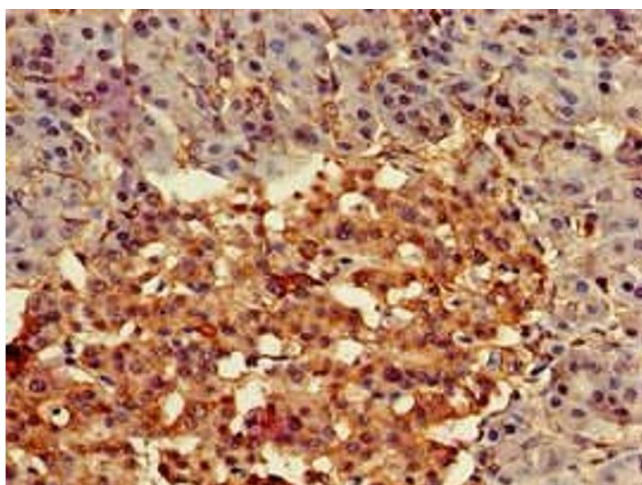
Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C, -80 °C

## Handling

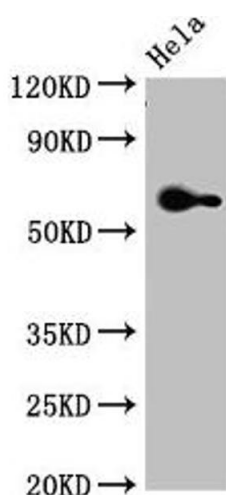
Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

## Images



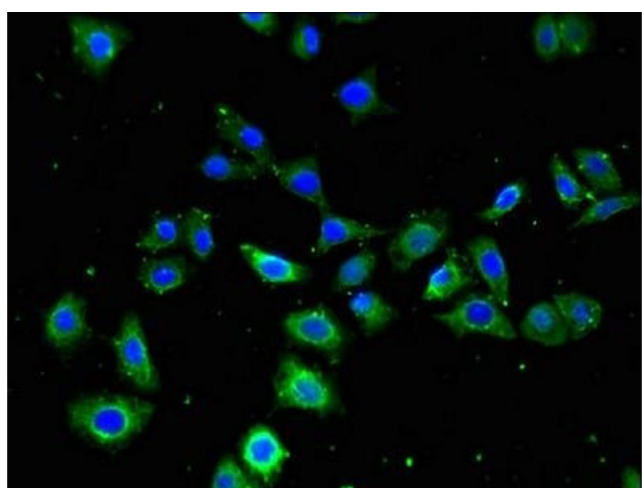
### Immunohistochemistry

**Image 1.** Immunohistochemistry of paraffin-embedded human pancreatic tissue using ABIN7153185 at dilution of 1:100



### Western Blotting

**Image 2.** Western Blot Positive WB detected in: HeLa whole cell lysate All lanes: FZD4 antibody at 3.5 µg/mL Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 60 kDa Observed band size: 60 kDa



### Immunofluorescence

**Image 3.** Immunofluorescent analysis of PC-3 cells using ABIN7153185 at dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)