

Datasheet for ABIN1714171
anti-FZD3 antibody (AA 121-220)

4 Images

1 Publication

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Overview

Quantity:	100 µL
Target:	FZD3
Binding Specificity:	AA 121-220
Reactivity:	Human, Mouse, Rat, Xenopus laevis
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This FZD3 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human FZD3/Frizzled 3
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Purified by Protein A.

Target Details

Target:	FZD3
Alternative Name:	FZD3/Frizzled 3 (FZD3 Products)
Background:	Synonyms: Fz-3, Frizzled-3, hFz3, FZD3

Target Details

Background: 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, 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.

Gene ID: 7976

UniProt: [Q9NPG1](#)

Pathways: [WNT Signaling](#), [Tube Formation](#)

Application Details

Application Notes: WB 1:300-5000
ELISA 1:500-1000
IHC-P 1:200-400
IHC-F 1:100-500
IF(IHC-P) 1:50-200
IF(IHC-F) 1:50-200
IF(ICC) 1:50-200
ICC 1:100-500

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: 0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

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

Storage: 4 °C, -20 °C

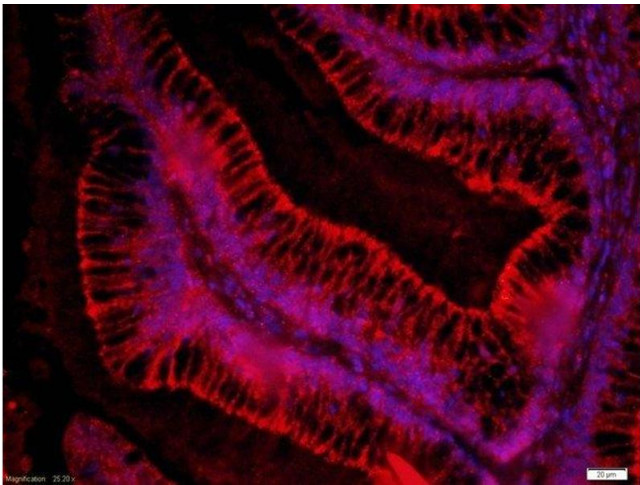
Handling

Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

Publications

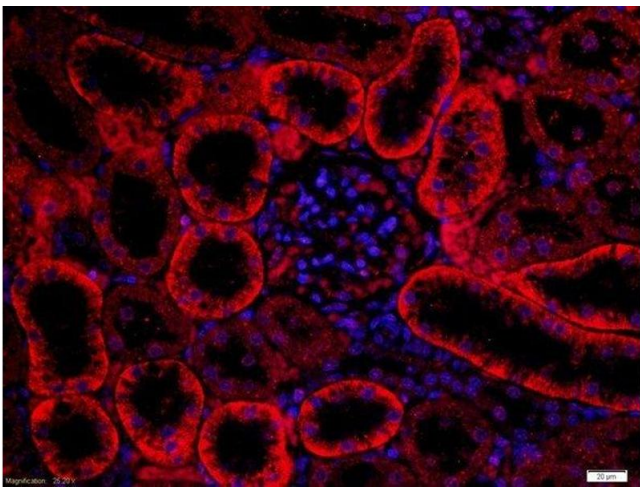
Product cited in:	Su, Zhang, Gan, Jiang, Xiao, Zou, Li, Jiang: "Deregulation of the planar cell polarity genes CELSR3 and FZD3 in Hirschsprung disease." in: Experimental and molecular pathology , Vol. 101, Issue 2, pp. 241-248, (2016) (PubMed).
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Images



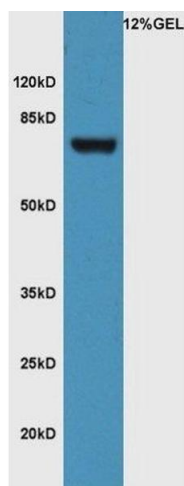
Immunofluorescence (Paraffin-embedded Sections)

Image 1. Paraformaldehyde-fixed, paraffin embedded human colon cancer, Antigen retrieval by boiling in sodium citrate buffer (pH6) for 15min, Block endogenous peroxidase by 3% hydrogen peroxide for 30 minutes, Blocking buffer (normal goat serum) at 37°C for 20min, Antibody incubation with Rabbit Anti-FZD3/Frizzled 3 Polyclonal Antibody, Unconjugated () at 1:200 overnight at 4°C, followed by the secondary antibody was Goat Anti-Rabbit IgG, Cy3 conjugated-Cy)and used at 1:200 dilution for 40 minutes at 37°C DAPI(5ug/ml) was used to stain the cell nuclei



Immunofluorescence (Paraffin-embedded Sections)

Image 2. Paraformaldehyde-fixed, paraffin embedded rat kidney, Antigen retrieval by boiling in sodium citrate buffer (pH6) for 15min, Block endogenous peroxidase by 3% hydrogen peroxide for 30 minutes, Blocking buffer (normal goat serum) at 37°C for 20min, Antibody incubation with Rabbit Anti-FZD3/Frizzled 3 Polyclonal Antibody, Unconjugated at 1:200 overnight at 4°C, followed by the secondary antibody was Goat Anti-Rabbit IgG, Cy3 conjugated-Cy3)used at 1:200 dilution for 40 minutes at 37°C. DAPI(5ug/ml) was used to stain the cell nuclei.



Western Blotting

Image 3. Lane 1: mouse pancreas lysate probed with Rabbit Anti-FZD3/Frizzled 3 Polyclonal Antibody, Unconjugated (ABIN1714171) at 1:300 overnight at 4 °C. Followed by conjugation to secondary antibody at 1:5000 for 90 min at 37 °C.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN1714171.