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Datasheet for ABIN2776708
anti-FZD7 antibody (C-Term)

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Overview

Quantity:	100 µL
Target:	FZD7
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat, Dog, Cow, Rabbit, Pig, Guinea Pig, Saccharomyces cerevisiae
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This FZD7 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the C terminal region of human FZD7
Sequence:	PDFTVFMIKY LMTMIVGITT GFWIWSGKTL QSWRRFYHRL SHSSKGETAV
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 93%, Human: 100%, Mouse: 100%, Pig: 100%, Rabbit: 100%, Rat: 100%, Yeast: 82%
Characteristics:	This is a rabbit polyclonal antibody against FZD7. It was validated on Western Blot and immunohistochemistry.
Purification:	Affinity Purified

Target Details

Target:	FZD7
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Target Details

Alternative Name: [FZD7 \(FZD7 Products\)](#)

Background: FZD7 is 7-transmembrane domain protein that is receptor for Wnt signaling proteins. The FZD7 protein contains an N-terminal signal sequence, 10 cysteine residues typical of the cysteine-rich extracellular domain of Fz family members, 7 putative transmembrane domains, and an intracellular C-terminal tail with a PDZ domain-binding motif. Members of the 'frizzled' gene family encode 7-transmembrane domain proteins that are receptors for Wnt signaling proteins. The FZD7 protein contains an N-terminal signal sequence, 10 cysteine residues typical of the cysteine-rich extracellular domain of Fz family members, 7 putative transmembrane domains, and an intracellular C-terminal tail with a PDZ domain-binding motif. FZD7 gene expression may downregulate APC function and enhance beta-catenin-mediated signals in poorly differentiated human esophageal carcinomas.

Alias Symbols: FzE3

Protein Interaction Partner: UBC, UBQLN4, MAGI3, UBQLN1, DLG2, DLG4, DLG1,

Protein Size: 574

Molecular Weight: 63 kDa

Gene ID: 8324

NCBI Accession: [NM_003507](#), [NP_003498](#)

UniProt: [O75084](#)

Pathways: [WNT Signaling](#), [Stem Cell Maintenance](#)

Application Details

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

Comment: Antigen size: 574 AA

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: Lot specific

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

Preservative: Sodium azide

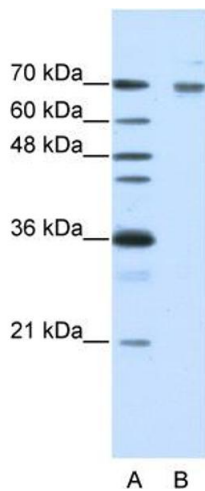
Handling

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

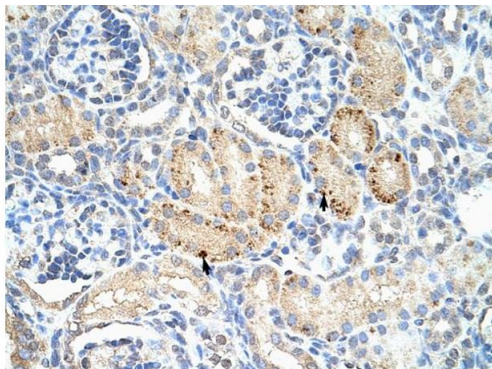
Product cited in:	Mitkus, Hyde, Vakkalanka, Kolachana, Weinberger, Kleinman, Lipska: "Expression of oligodendrocyte-associated genes in dorsolateral prefrontal cortex of patients with schizophrenia." in: Schizophrenia research , Vol. 98, Issue 1-3, pp. 129-38, (2007) (PubMed).
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Validation report #101227 for Western Blotting (WB)



Western Blotting

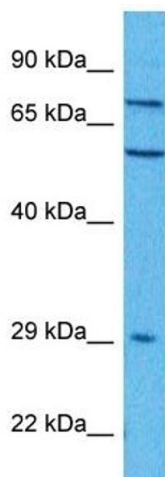
Image 1. WB Suggested Anti-FZD7 Antibody Titration: 0.2-1 ug/ml Positive Control: HepG2 cell lysate



Immunohistochemistry

Image 2. Rabbit Anti-FZD7 Antibody Paraffin Embedded Tissue: Human Kidney Cellular Data: Epithelial cells of renal tubule Antibody Concentration: 4.0-8.0 ug/ml Magnification: 400X

Rabbit Anti-FZD7 Antibody
Catalog Number: ARP41251
Lot Number: QC10010
Paraffin Embedded Tissue: Human Kidney
Cells with Positive label: Epithelial cells of renal tubule (Indicated with Arrows)
Antibody Concentration: 4.0-8.0 µg/ml
Magnification: 400X



Western Blotting

Image 3. Host: Rabbit Target Name: FZD7 Sample Tissue: Human A549 Whole Cell Antibody Dilution: 1ug/ml

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN2776708.