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Datasheet for ABIN7153189
anti-FZD7 antibody (AA 161-239)

2 Images

Overview

Quantity:	100 µL
Target:	FZD7
Binding Specificity:	AA 161-239
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This FZD7 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

Product Details

Immunogen:	Recombinant Human Frizzled-7 protein (161-239AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	FZD7
Alternative Name:	FZD7 (FZD7 Products)
Background:	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,

Target Details

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.

Aliases: Frizzled 7, seven transmembrane spanning receptor antibody, frizzled class receptor 7 antibody, Frizzled drosophila homolog of 7 antibody, Frizzled family receptor 7 antibody, Frizzled homolog 7 antibody, Frizzled-7 antibody, Frizzled7 antibody, Fz 7 antibody, Fz-7 antibody, Fz7 antibody, FZD 7 antibody, FZD7 antibody, FZD7_HUMAN antibody, FzE 3 antibody, FzE3 antibody, hFz 7 antibody, hFz7 antibody, Homolog of Drosophila Frizzled 7 antibody, OTTHUMP00000163742 antibody

UniProt: [O75084](#)

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

Application Details

Application Notes: Recommended dilution: WB:1:1000-1:5000, IHC:1:200-1:500,

Restrictions: For Research Use only

Handling

Format: Liquid

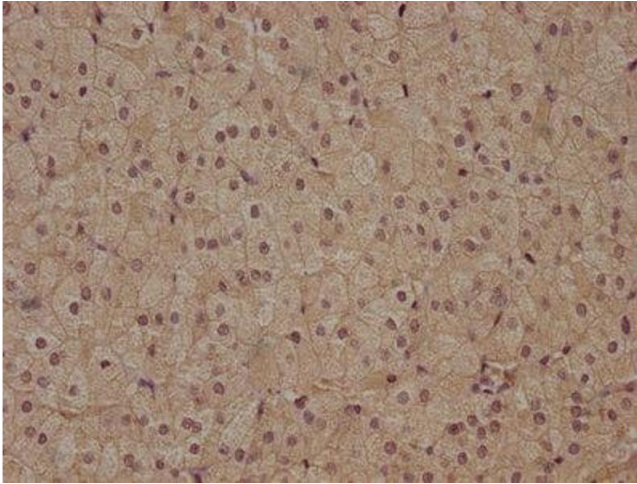
Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

Preservative: ProClin

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

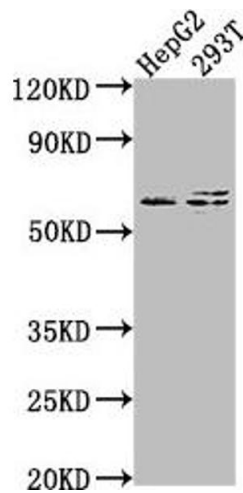
Storage: -20 °C,-80 °C

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



Immunohistochemistry

Image 1. IHC image of ABIN7153189 diluted at 1:400 and staining in paraffin-embedded human adrenal gland tissue performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10 % normal goat serum 30 min at RT. Then primary antibody (1 % BSA) was incubated at 4 °C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



Western Blotting

Image 2. Western Blot Positive WB detected in: HepG2 whole cell lysate, 293T whole cell lysate All lanes: FZD7 antibody at 1:2000 Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 64 kDa Observed band size: 64 kDa