

Rabbit anti-Human FZD4 Polyclonal Antibody | anti-FZD4 antibody

FZD4 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA233112	Rabbit	Human	Immunofluorescence, Immunohistochemistry, ELISA

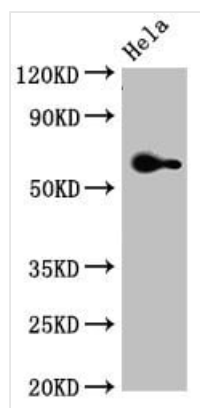
PRODUCT SYNONYMS

FZD4; Polyclonal Antibody; FZD4 Antibody; Frizzled-4; Fz-4; hFz4; FzE4; CD344; anti-FZD4 antibody

PRODUCT SPECIFICATIONS

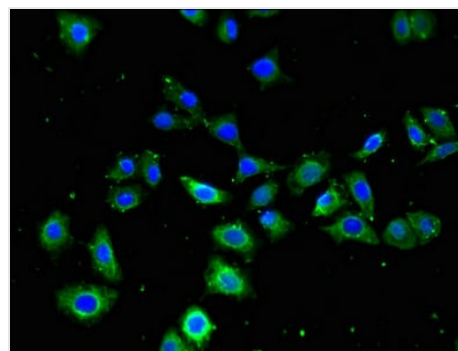
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	>95%, Protein G purified
Form/Format	Liquid
Sequence Length	537
Applicable Applications for anti-FZD4 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), ELISA
Immunogen	Recombinant Human Frizzled-4 protein (37-222AA)
Preservative	0.03% Proclin 300
Constituents	50% Glycerol, 0.01M PBS, pH 7.4
Conjugation	Non-conjugated
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-66450 / sc-66451 / sc-66453
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze.

IMAGES



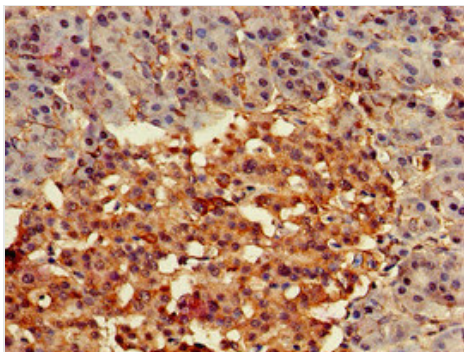
WB (Western Blot)

Western Blot Positive WB detected in: Hela whole cell lysate All lanes: FZD4 antibody at 3.5ug/ml Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 60 KDa Observed band size: 60 KDa



IF (Immunofluorescence)

Immunofluorescent analysis of PC3 cells using AAA233112 at a dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)



IHC (Immunohistochemistry)
 Immunohistochemistry of paraffin-embedded human pancreatic tissue using AAA233112 at dilution of 1:100

ADDITIONAL INFORMATION

Related Product Information for anti-FZD4 antibody	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 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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	22547161
NCBI GeneID	8322
NCBI Accession #	NP_036325.2
NCBI GenBank Nucleotide #	NM_012193.3
UniProt Accession #	Q9ULV1; Q14C97; Q6S9E4; A8K9Q3
Molecular Weight	59,881 Da
NCBI Official Full Name	frizzled-4
NCBI Official Synonym Full Names	frizzled class receptor 4
NCBI Official Symbol	FZD4
NCBI Official Synonym Symbols	Fz4; EVR1; FEVR; Fz-4; FzE4; GPCR; hFz4; CD344; FZD4S
NCBI Protein Information	frizzled-4
UniProt Protein Name	Frizzled-4
UniProt Gene Name	FZD4
UniProt Synonym Gene Names	Fz-4; hFz4
UniProt Entry Name	FZD4_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

