

Rabbit anti-Human FZD1 Polyclonal Antibody | anti-FZD1 antibody

FZD1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA325544	Rabbit	Human	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

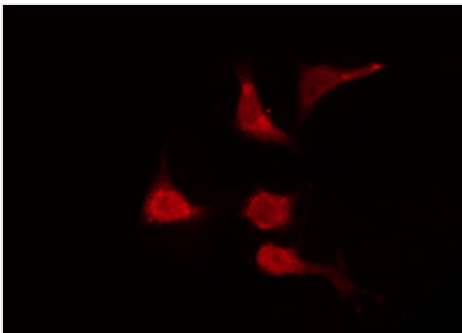
PRODUCT SYNONYMS

FZD1; Polyclonal Antibody; FZD1 Antibody; Chfz-1; Dfrizzled-1; DKFZp564G072; FLJ95923; Frizzled 1; Frizzled homolog 1 (Drosophila); Frizzled homolog 1; Frizzled-1; Fz receptor 1; Fz-1; Fz1; FZD1_HUMAN; FzE1; hFz1; Rfz1; Wnt receptor; Xfrizzled-1; anti-FZD1 antibody

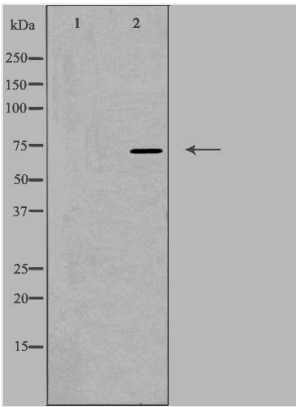
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	FZD1 antibody detects endogenous levels of total FZD1
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	647
Applicable Applications for anti-FZD1 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Membrane. Cell Membrane.
Tissue Specificity	Expressed in adult heart, placenta, lung, kidney, pancreas, prostate, and ovary and in fetal lung and kidney.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)
AAA325544 staining HeLa by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



WB (Western Blot)
Western blot analysis of extracts from Jurkat cells, using FZD1 antibody. The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-FZD1 antibody	Function: Receptor for Wnt proteins (PubMed:10557084). Activated by WNT3A, WNT3, WNT1 and to a lesser extent WNT2, but apparently not by WNT4, WNT5A, WNT5B, WNT6, WNT7A or WNT7B (PubMed:10557084). Contradictory results showing activation by WNT7B have been described for mouse (By similarity). Functions in the canonical Wnt/beta-catenin signaling pathway (PubMed:10557084). The canonical Wnt/beta-catenin signaling pathway leads to the activation of disheveled proteins, inhibition of GSK-3 kinase, nuclear accumulation of beta-catenin and activation of Wnt target genes (PubMed:10557084). 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 (Probable). Subunit Structure: Interacts with MYOC (PubMed:19188438). Interacts with WNT7B (By similarity). Post-translational Modifications: Ubiquitinated by ZNRF3, leading to its degradation by the proteasome. Similarity: Lys-Thr-X-X-X-Trp motif interacts with the PDZ domain of Dvl (Disheveled) family members and is involved in the activation of the Wnt/beta-catenin signaling pathway. The FZ domain is involved in binding with Wnt ligands. Belongs to the G-protein coupled receptor Fz/Smo family.
---	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	4503825
NCBI GeneID	8321
NCBI Accession #	NP_003496.1
NCBI GenBank Nucleotide #	NM_003505.1
UniProt Accession #	Q9UP38; O94815; Q549T8; A4D1E8
Molecular Weight	Observed: 71 kD Predicted: 72 kDa
NCBI Official Full Name	frizzled-1
NCBI Official Synonym Full Names	frizzled class receptor 1
NCBI Official Symbol	FZD1
NCBI Protein Information	frizzled-1
UniProt Protein Name	Frizzled-1
UniProt Gene Name	FZD1

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/polyclonal/fzd1-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/325544>