

Rabbit FZD2 Polyclonal Antibody | anti-FZD2 antibody

FZD2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA323597	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

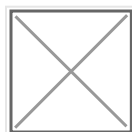
PRODUCT SYNONYMS

FZD2; Polyclonal Antibody; FZD2 Antibody; Frizzled homolog 2; Frizzled-2; Frizzled2; Fz 2; Fz-2; Fz2; FZD 2; FZD2_HUMAN; FzE 2; FzE2; hFz 2; hFz2; Mfz10; anti-FZD2 antibody

PRODUCT SPECIFICATIONS

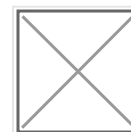
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	FZD2 antibody detects endogenous levels of total FZD2
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	565
Applicable Applications for anti-FZD2 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Membrane.
Tissue Specificity	Widely expressed. In the adult, mainly found in heart, placenta, skeletal muscle, lung, kidney, pancreas, prostate, testis, ovary and colon. In the fetus, expressed in brain, lung and kidney. Low levels in fetal liver.
Conjugation	Unconjugated

IMAGES



WB (Western Blot)

Western blot analysis of FZD2 expression in A431 whole cell lysate. The lane on the left is treated with the antigen-specific peptide.



IF (Immunofluorescence)

AAA323597 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.

ADDITIONAL INFORMATION

Related Product Information for anti-FZD2 antibody	Description: 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. 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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4503827
NCBI GeneID	2535
NCBI Accession #	NP_001457.1
NCBI GenBank Nucleotide #	NM_001466.3
UniProt Accession #	Q14332; Q0VG82
Molecular Weight	Observed: 32 kDa Predicted: 64 kDa
NCBI Official Full Name	frizzled-2
NCBI Official Synonym Full Names	frizzled class receptor 2
NCBI Official Symbol	FZD2
NCBI Official Synonym Symbols	Fz2; fz-2; fzE2; hFz2
NCBI Protein Information	frizzled-2
UniProt Protein Name	Frizzled-2
UniProt Gene Name	FZD2
UniProt Synonym Gene Names	Fz-2; hFz2

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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/fzd2-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/323597>