

Rabbit FZD8 Polyclonal Antibody | anti-FZD8 antibody

FZD8 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA325547	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

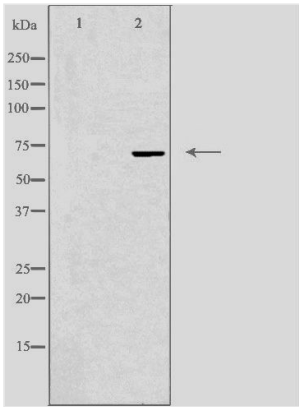
PRODUCT SYNONYMS

FZD8; Polyclonal Antibody; FZD8 Antibody; Frizzled 8 seven transmembrane spanning receptor; frizzled 8; seven transmembrane spanning receptor; Frizzled family receptor 8; frizzled homolog 8 (Drosophila); Frizzled homolog 8; Frizzled-8; FZ 8; Fz-8; FZ8; FZD 8; FZD8_HUMAN; hFZ 8; hFz8; HGNC4046; Homolog of Drosophila Frizzled 8; anti-FZD8 antibody

PRODUCT SPECIFICATIONS

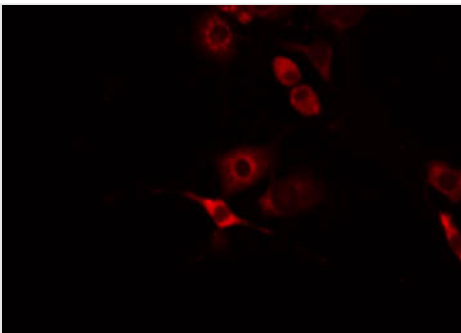
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	FZD8 antibody detects endogenous levels of total FZD8
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	694
Applicable Applications for anti-FZD8 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Membrane. Golgi Apparatus. Cell Membrane. Colocalizes with GOPC at the golgi apparatus.
Tissue Specificity	Most abundant in fetal kidney, followed by brain and lung. In adult tissues, expressed in kidney, heart, pancreas and skeletal muscle.
Predicted Cross Reactivity	Pig, Bovine, Dog, Xenopus
Similarity	Pig (100%), Bovine (100%), Dog (100%), Xenopus (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of extracts from Jurkat cells, using FZD8 antibody. The lane on the left is treated with the antigen-specific peptide.



IF (Immunofluorescence)

AAA325547 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-FZD8 antibody

Function: Receptor for Wnt proteins. Component of the Wnt-Fzd-LRP5-LRP6 complex that triggers beta-catenin signaling through inducing aggregation of receptor-ligand complexes into ribosome-sized signalosomes. The beta-catenin canonical 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. 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. Coreceptor along with RYK of Wnt proteins, such as WNT1.

Subunit Structure: Component of a Wnt-signaling complex that contains a WNT protein, a FZD protein and LRP5 or LRP6. Interacts directly with LRP5 or LRP6; the interaction is promoted by Wnt-binding and signaling and inhibited by DKK1. Interacts with GPOC, RSPO1 and RSPO3 (By similarity).

Post-translational Modifications: Ubiquitinated by ZNRF3, leading to its degradation by the proteasome.

Similarity: The PDZ-binding motif mediates interaction with GPCRs. 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 #	13994190
NCBI GeneID	8325
NCBI Accession #	NP_114072.1
NCBI GenBank Nucleotide #	NM_031866.2
UniProt Accession #	Q9H461
Molecular Weight	Observed: 70 kD Predicted: 74 kDa
NCBI Official Full Name	frizzled-8
NCBI Official Synonym Full Names	frizzled class receptor 8
NCBI Official Symbol	FZD8
NCBI Official Synonym Symbols	FZ-8; hFZ8
NCBI Protein Information	frizzled-8

UniProt Protein Name	Frizzled-8
UniProt Gene Name	FZD8
UniProt Synonym Gene Names	Fz-8; hFz8

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/fzd8-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/325547>