

Rabbit anti-Human, Mouse FZD9 Polyclonal Antibody | anti-FZD9 antibody

FZD9 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA325502	Rabbit	Human, Mouse	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

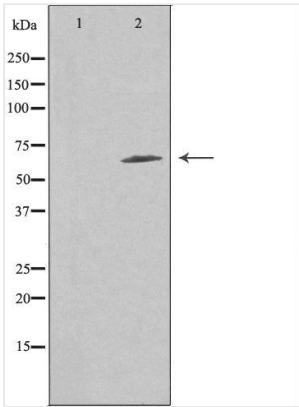
PRODUCT SYNONYMS

FZD9; Polyclonal Antibody; FZD9 Antibody; CD 349; CD 349 antigen; CD349; Frizzled Drosophila homolog of 3; Frizzled homolog 9 (Drosophila); Frizzled homolog 9; Frizzled-9; Fz 9; Fz-9; FZD 3; Fzd 9; FZD3; FZD3-PEN; FZD9_HUMAN; FzE6; hFz9; mfz9; Xfz9; anti-FZD9 antibody

PRODUCT SPECIFICATIONS

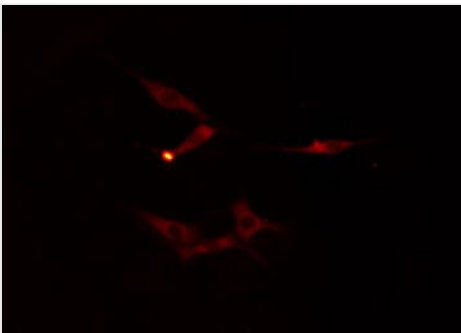
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	FZD9 antibody detects endogenous levels of total FZD9
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	591
Applicable Applications for anti-FZD9 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Cell Membrane
Tissue Specificity	Expressed predominantly in adult and fetal brain, testis, eye, skeletal muscle and kidney. Moderately expressed in pancreas, thyroid, adrenal cortex, small intestine and stomach. Detected in fetal liver and kidney. Expressed in neural progenitor cells (PubMed:27509850).
Predicted Cross Reactivity	Pig, Bovine, Sheep, Rabbit, Dog, Chicken
Similarity	Pig (100%), Bovine (100%), Sheep (100%), Rabbit (92%), Dog (100%), Chicken (85%)
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 HUVEC cells COLO cells using FZD9 antibody. The lane on the left is treated with the antigen-specific peptide.



IF (Immunofluorescence)

AAA325502 staining HuvEc cells 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) antibody, diluted at 1/600, was used as secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-FZD9 antibody

Function: Receptor for WNT2 that is 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 (By similarity). Plays a role in neuromuscular junction (NMJ) assembly by negatively regulating the clustering of acetylcholine receptors (AChR) through the beta-catenin canonical signaling pathway (By similarity). May play a role in neural progenitor cells (NPCs) viability through the beta-catenin canonical signaling pathway by negatively regulating cell cycle arrest leading to inhibition of neuron apoptotic process (PubMed:27509850). During hippocampal development, regulates neuroblast proliferation and apoptotic cell death. Controls bone formation through non canonical Wnt signaling mediated via ISG15. Positively regulates bone regeneration through non canonical Wnt signaling (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 #	4503835
NCBI GeneID	8326
NCBI Accession #	NP_003499.1
NCBI GenBank Nucleotide #	NM_003508.2
UniProt Accession #	O00144
Molecular Weight	Observed: 64 kD Predicted: 65 kDa
NCBI Official Full Name	frizzled-9
NCBI Official Synonym Full Names	frizzled class receptor 9
NCBI Official Symbol	FZD9
NCBI Official Synonym Symbols	FZD3; CD349
NCBI Protein Information	frizzled-9
UniProt Protein Name	Frizzled-9
UniProt Gene Name	FZD9

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/fzd9-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/325502>