

Rabbit FZD10 Polyclonal Antibody | anti-FZD10 antibody

FZD10 Antibody

CATALOG # AAA323596	HOST Rabbit	REACTIVITY Human, Mouse, Monkey	APPLICATIONS ELISA, Immunocytochemistry, Immunofluorescence, Western Blot
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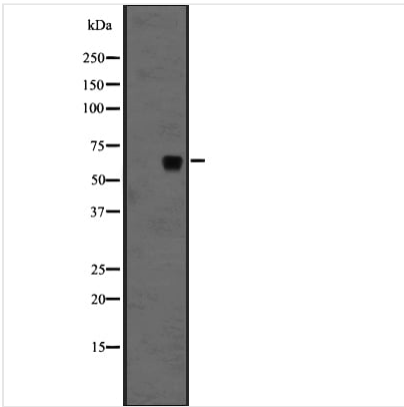
PRODUCT SYNONYMS

FZD10; Polyclonal Antibody; FZD10 Antibody; CD 350; CD 350 antigen; CD350; Frizzled (Drosophila) homolog 10; Frizzled-10; FZ 10; Fz-10; FZ10; FZD 10; FZD10_HUMAN; FzE 7; FzE7; hFz 10; hFz10; anti-FZD10 antibody

PRODUCT SPECIFICATIONS

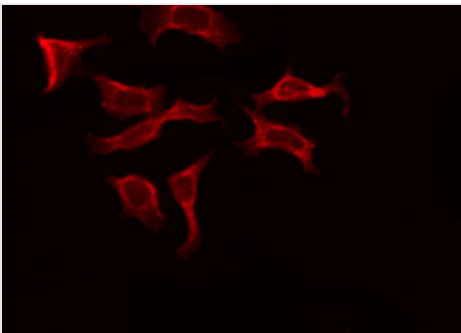
Host	Rabbit
Reactivity	Human, Mouse, Monkey
Clonality	Polyclonal
Isotype	IgG
Specificity	FZD10 antibody detects endogenous levels of total FZD10
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	581
Applicable Applications for anti-FZD10 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Cell Membrane
Tissue Specificity	Highest levels in the placenta and fetal kidney, followed by fetal lung and brain. In adult brain, abundantly expressed in the cerebellum, followed by cerebral cortex, medulla and spinal cord; very low levels in total brain, frontal lobe, temporal lobe and putamen. Weak expression detected in adult brain, heart, lung, skeletal muscle, pancreas, spleen and prostate.
Predicted Cross Reactivity	Pig, Bovine, Horse, Dog
Similarity	Pig (92%), Bovine (92%), Horse (100%), Dog (92%)
Conjugation	Unconjugated

IMAGES



WB (Western Blot)

Western blot analysis of FZD10 expression in H1299 whole cell lysate, The lane on the left is treated with the antigen-specific peptide.



IF (Immunofluorescence)

AAA323596 staining COS7 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-FZD10 antibody

Function: Receptor for Wnt proteins. Functions in the canonical Wnt/beta-catenin signaling pathway (By similarity). 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. 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 WNT7B (By similarity). Interacts with MYOC (PubMed:19188438).

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 #	6005762
NCBI GeneID	11211
NCBI Accession #	NP_009128.1
NCBI GenBank Nucleotide #	NM_007197.3
UniProt Accession #	Q9ULW2
Molecular Weight	Observed: 65 kDa Predicted: 66 kDa
NCBI Official Full Name	frizzled-10
NCBI Official Synonym Full Names	frizzled class receptor 10
NCBI Official Symbol	FZD10
NCBI Official Synonym Symbols	Fz10; FzE7; CD350; FZ-10; hFz10
NCBI Protein Information	frizzled-10
UniProt Protein Name	Frizzled-10
UniProt Gene Name	FZD10

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/fzd10-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/323596>