

Rabbit FZD1 / Frizzled 1 Polyclonal Antibody | anti-FZD1 antibody

Rabbit Polyclonal to Human FZD1 / Frizzled 1

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA52333	Rabbit	Human, Monkey, Mouse, Rat, Bat, Bovine, Dog, Hamster, Horse, Rabbit	Immunohistochemistry

PRODUCT SYNONYMS

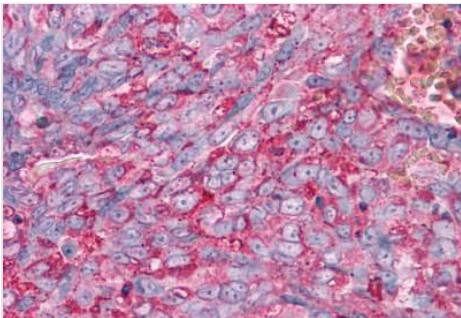
FZD1 / Frizzled 1; Polyclonal Antibody; Rabbit Polyclonal to Human FZD1 / Frizzled 1; Anti-FZD1 / Frizzled 1 Antibody (N-Terminus) IHC-plus; FZD1; Chfz-1; Fz1; Frizzled 1; Fz receptor 1; HFz1; Frizzled homolog 1; Fz-1; FzE1; Rfz1; Xfrizzled-1; Wnt receptor; Dfrizzled-1; Frizzled family receptor 1; Frizzled-1; Human FZD1; anti-FZD1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Monkey, Mouse, Rat, Bat, Bovine, Dog, Hamster, Horse, Rabbit
Clonality	Polyclonal
Specificity	Human FZD1 / Frizzled 1. BLAST analysis of the peptide immunogen showed no homology with other human proteins.
Purity/Purification	Immunoaffinity Purified
Form/Format	PBS, 0.1% sodium azide.
Concentration	0.7 mg/ml (varies by lot)
Sequence Length	647
Applicable Applications for anti-FZD1 antibody	IHC (Immunohistochemistry)
Target Species	Human
Immunogen Type	Synthetic peptide
Immunogen Species	FZD1 / Frizzled 1 was raised against Human
Immunogen	FZD1 / Frizzled 1 antibody was raised against synthetic 17 amino acid peptide from N-terminal extracellular domain of human FZD1 / Frizzled 1. Percent identity with other species by BLAST analysis: Human, Gorilla, Gibbon, Baboon, Monkey, Marmoset, Mouse, Rat, Shrew, Hamster, Panda, Dog, Bat, Bovine, Horse, Rabbit, Opossum, Armadillo (100%); Elephant (94%).
Epitope	N-Terminus
Disclaimer	Due to the highly specific nature of antibodies and antigens, we cannot predict or be held responsible with respect to how this antibody will behave in your systems. Researchers using this antibody should conduct optimization studies to achieve the most optimal result possible for their intended application.

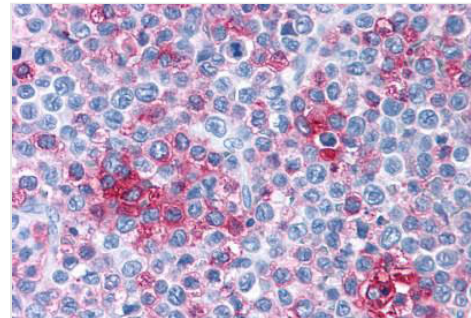
Recommended Immunohistochemistry Protocol	The following protocol is a recommendation only, and AAA Biotech makes no guarantee of the results: Tissue Preparation: Formalin fixation and embedding in paraffin wax. Tissue Sectioning: Make 4-um sections and place on pre-cleaned and charged microscope slides. Heat in a tissue-drying oven for 45 minutes at 60°C. Deparaffinization: Wash dry slides in 3 changes of xylene - 5 minutes each @ RT Rehydration: Wash slides in 3 changes of 100% alcohol - 3 minutes each @ RT Wash slides in 2 changes of 95% alcohol - 3 minutes each @ RT Wash slides in 1 change of 80% alcohol - 3 minutes @ RT Rinse slides in gentle running distilled water - 5 minutes @ RT Antigen retrieval: Steam slides in 0.01 M sodium citrate buffer, pH 6.0 at 99-100°C - 20 minutes Remove from heat and let stand at room temperature in buffer - 20 minutes Rinse in 1X TBS with Tween (TBST) -1 minute @ RT Immunostaining: (Do not allow tissues to dry at any time during the staining procedure) Apply a universal protein block - 20 minutes @ RT Drain protein block from slides, apply diluted primary antibody - 45 minutes @ RT Rinse slides in 1 X TBST - 1 minute @ RT Apply a biotinylated secondary antibody appropriate for the primary antibody - 30 minutes @ RT Rinse slides in 1X TBST -1 minute @ RT Apply alkaline phosphatase streptavidin - 30 minutes @ RT Rinse slides in 1X TBST -1 minute @ RT Apply alkaline phosphatase chromogen substrate - 30 minutes @ RT Wash slides in distilled water - 1 minute @ RT Dehydrate: (This method should only be used if the chromogen substrate is alcohol insoluble (e.g. Vector Red, DAB) Wash slides in 2 changes of 80% alcohol - 1 minute each @ RT Wash slides in 2 changes of 95% alcohol - 1 minute each @ RT Wash slides in 3 changes of 100% alcohol - 1 minute each @ RT Wash slides in 3 changes of xylene - 1 minute each @ RT Apply coverslip
Preparation and Storage	Aliquot and store undiluted at -20°C or below for up to 1 year. Can be stored undiluted at 4°C for up to 1 month. Avoid freeze-thaw cycles.

IMAGES



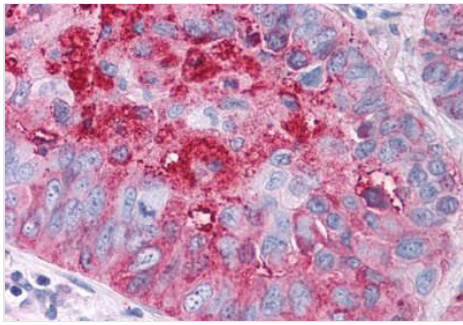
IHC (Immunohistochemistry)

Anti-FZD1 / Frizzled 1 antibody IHC of human Ovary, Carcinoma. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.



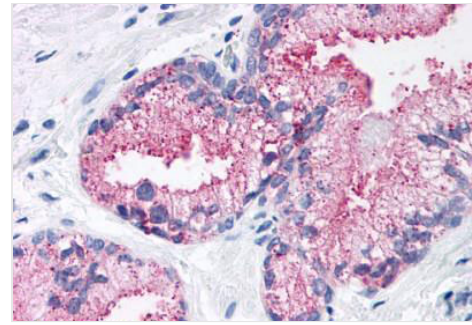
IHC (Immunohistochemistry)

Anti-FZD1 / Frizzled 1 antibody IHC of human Lymph Node, Non-Hodgkins Lymphoma. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.



IHC (Immunohistochemistry)

Anti-FZD1 / Frizzled 1 antibody IHC of human Lung, Non-Small Cell Carcinoma. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.



IHC (Immunohistochemistry)

Anti-FZD1 / Frizzled 1 antibody IHC of human prostate. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.

ADDITIONAL INFORMATION

Related Product Information for anti-FZD1 antibody	FZD1 is a widely expressed Frizzled Receptor that mediates Wnt signaling.
Product Categories/Family for anti-FZD1 antibody	Family: GPCR; Subfamily: Frizzled

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
NCBI Official Full Name	frizzled-1
NCBI Official Synonym Full Names	frizzled class receptor 1
NCBI Official Symbol	FZD1
NCBI Protein Information	frizzled-1; fz-1; fzE1; hFz1; Wnt receptor; frizzled homolog 1; frizzled family receptor 1; frizzled, Drosophila, homolog of, 1; frizzled 1, seven transmembrane spanning receptor
UniProt Protein Name	Frizzled-1
UniProt Gene Name	FZD1
UniProt Synonym Gene Names	Fz-1; hFz1
UniProt Entry Name	FZD1_HUMAN

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/fzd1-frizzled-1-antibody-immunohistochemistry-elisa/52333>