SunLong Biotech Co.,LTD
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[Primary Antibody]

Recombinant Rabbit Anti-FZD8 Monoclonal Antibody

Catalog Number: SLA1186M

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Monoclonal
Clone No.:	15G15
GeneID:	8325
SWISS:	Q9H461
Target:	FZD8
Immunogen:	A synthesized peptide derived from human Frizzled 8
Purification:	affinity purified by Protein A
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Applications:	IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) Not yet tested in other applications. Optimal working dilutions must be determined by the end user.
Reactivity:	Human,Mouse,Rat
Predicted MW.:	70 kDa
Background:	The frizzled gene, originally identified in Drosophila melanogaster, is involved in the development of tissue polarity. The mammalian homolog of frizzled, as well as several secreted mammalian frizzled-related proteins (FRPs), have been described. The frizzled proteins contain seven transmembrane domains, a cysteine-rich domain in the extracellular region and a carboxy-terminal Ser/Thr-xxx-Val motif. They function as receptors for Wnt and are generally coupled to G proteins. The cysteine-rich domain of frizzled-8 blocks endogenous Wnts and the effects of Wnt-1 and Wnt-5 on proliferation. The mouse frizzled-8 gene, which encodes a Wnt receptor, is a potent cancer-associated activator of the Beta-catenin-TCF pathway. The frizzled-8 gene contains no introns. Frizzled-8 mRNA has been detected

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	in fetal brain and kidney, and also in adult pancreas, skeletal muscle, kidney and heart. Frizzled is highly expressed in HeLa S3 (cervical uterus cancer) cells and A549 lung cancer cells.

[VALIDATION IMAGES]

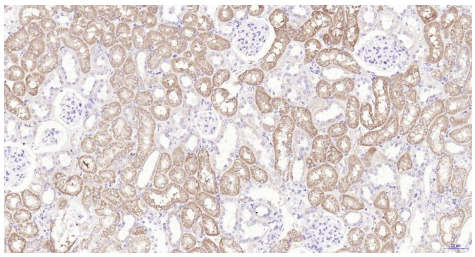


Figure 1. Paraformaldehyde-fixed, paraffin embedded Mouse Kidney; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with Frizzled 8 Monoclonal Antibody, Unconjugated(SLA1186M) at 1:200 overnight at 4°C, followed by conjugation to the SP Kit(Rabbit, SP-0023) and DAB (C-0010) staining.

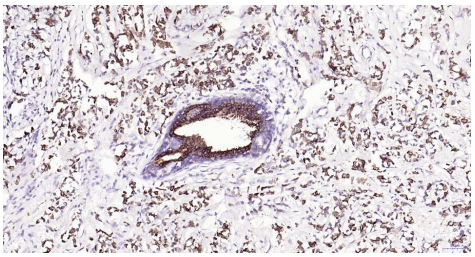


Figure 2. Paraformaldehyde-fixed, paraffin embedded Human Breast Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with Frizzled 8 Monoclonal Antibody, Unconjugated(SLA1186M) at 1:200 overnight at 4°C, followed by conjugation to the SP Kit(Rabbit, SP-0023) and DAB (C-0010) staining.

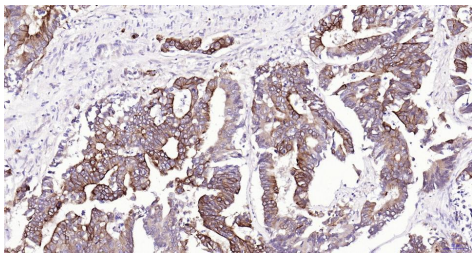


Figure 3. Paraformaldehyde-fixed, paraffin embedded Human Colon Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with Frizzled 8 Monoclonal Antibody, Unconjugated(SLA1186M) at 1:200 overnight at 4°C, followed by conjugation to the SP Kit(Rabbit, SP-0023) and DAB (C-0010) staining.

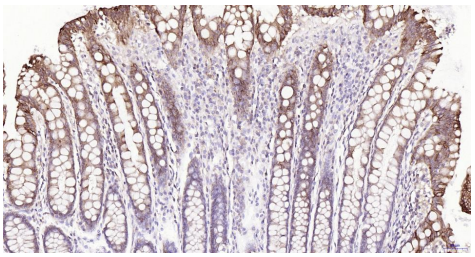


Figure 4. Paraformaldehyde-fixed, paraffin embedded Human Colon; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with Frizzled 8 Monoclonal Antibody, Unconjugated(SLA1186M) at 1:200 overnight at 4°C, followed by conjugation to the SP Kit(Rabbit, SP-0023) and DAB (C-0010) staining.

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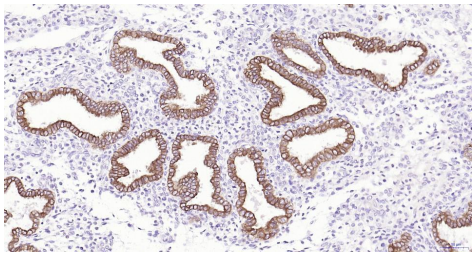


Figure 5. Paraformaldehyde-fixed, paraffin embedded Human Uterus; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with Frizzled 8 Monoclonal Antibody, Unconjugated(SLA1186M) at 1:200 overnight at 4°C, followed by conjugation to the SP Kit(Rabbit, SP-0023) and DAB (C-0010) staining.

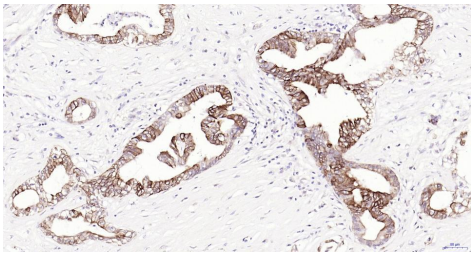


Figure 6. Paraformaldehyde-fixed, paraffin embedded Human Pancreatic Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with Frizzled 8 Monoclonal Antibody, Unconjugated(SLA1186M) at 1:200 overnight at 4°C, followed by conjugation to the SP Kit(Rabbit, SP-0023) and DAB (C-0010) staining.

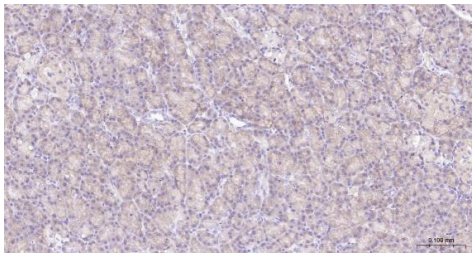


Figure 7. Paraformaldehyde-fixed, paraffin embedded Rat pancreas; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with Frizzled 8 Monoclonal Antibody, Unconjugated(SLA1186M) at 1:200 overnight at 4°C, followed by conjugation to the SP Kit(Rabbit, SP-0023) and DAB (C-0010) staining.

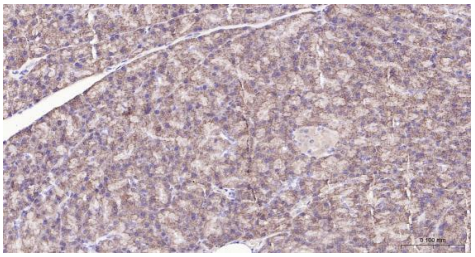


Figure 8. Paraformaldehyde-fixed, paraffin embedded Mouse pancreas; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with Frizzled 8 Monoclonal Antibody, Unconjugated(SLA1186M) at 1:200 overnight at 4°C, followed by conjugation to the SP Kit(Rabbit, SP-0023) and DAB (C-0010) staining.
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