SunLong Biotech Co.,LTD
Tel: 0086-571-56623320 Fax:0086-571-56623318
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**[ Primary Antibody ]**

# Recombinant Rabbit Anti-CLDN7 Monoclonal Antibody

**Catalog Number: SLA0461M**

**FOR RESEARCH USE ONLY**

**[ DATASHEET ]**

| | |
|---|---|
| **Host:** | Mouse |
| **Isotype:** | Mouse IgG2b, κ |
| **Clonality:** | Monoclonal |
| **GeneID:** | 1366 |
| **SWISS:** | O95471 |
| **Target:** | CLDN7 |
| **Immunogen:** | KLH conjugated synthetic peptide derived from human CLDN7 |
| **Purification:** | affinity purified by Protein G |
| **Concentration:** | 1mg/ml |
| **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)<br>IHC-F (1:100-500)<br>IF (1:100-500)<br>Not yet tested in other applications.<br>Optimal working dilutions must be determined by the end user. |
| **Reactivity:** | Human,Mouse,Rat |
| **Predicted MW.:** | 22 kDa |
| **Subcellular Location:** | Membrane |
| **Background:** | This gene encodes a member of the claudin family. Claudins are integral membrane proteins and components of tight junction strands. Tight junction strands serve as a physical barrier to prevent solutes and water from passing freely through the paracellular space between epithelial or endothelial cell sheets, and also play critical roles in maintaining cell polarity and signal transductions. Differential expression of this gene has been observed in different types of malignancies, including breast cancer, ovarian cancer, hepatocellular carcinomas, urinary tumors, prostate cancer, lung cancer, head and neck cancers, thyroid carcinomas, etc.. Alternatively spliced transcript variants encoding different isoforms have been found.[provided by RefSeq, May 2010] |

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## [ VALIDATION IMAGES ]

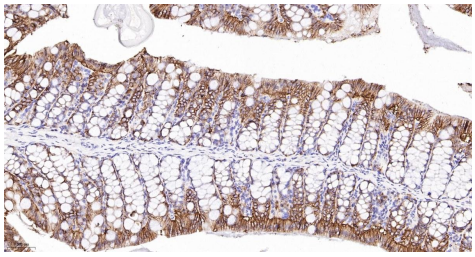


Figure 1. Paraformaldehyde-fixed, paraffin embedded Mouse Colon; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with CLDN7 Monoclonal Antibody, Unconjugated (SLA0461M) at 1:200 overnight at 4°C, followed by conjugation to the SL40296G-HRP and DAB (C-0010) staining.

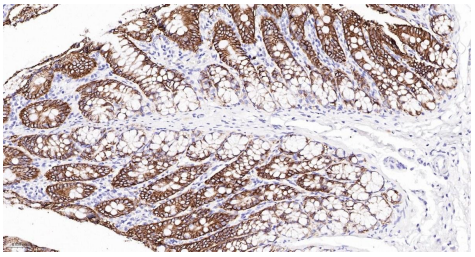


Figure 2. Paraformaldehyde-fixed, paraffin embedded Rat Colon; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with CLDN7 Monoclonal Antibody, Unconjugated (SLA0461M) at 1:200 overnight at 4°C, followed by conjugation to the SL40296G-HRP and DAB (C-0010) staining.

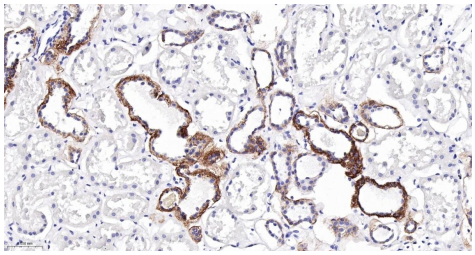


Figure 3. Paraformaldehyde-fixed, paraffin embedded Human Kidney; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with CLDN7 Monoclonal Antibody, Unconjugated (SLA0461M) at 1:200 overnight at 4°C, followed by conjugation to the SL40296G-HRP and DAB (C-0010) staining.

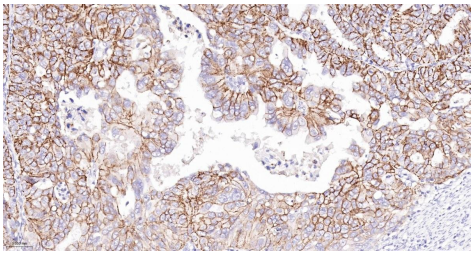


Figure 4. Paraformaldehyde-fixed, paraffin embedded Human Endometrial Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with CLDN7 Monoclonal Antibody, Unconjugated (SLA0461M) at 1:200 overnight at 4°C, followed by conjugation to the SL40296G-HRP and DAB (C-0010) staining.

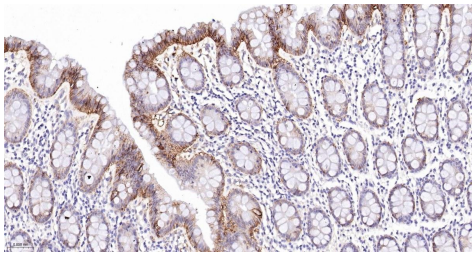


Figure 5. Paraformaldehyde-fixed, paraffin embedded Human Colon; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with CLDN7 Monoclonal Antibody, Unconjugated (SLA0461M) at 1:200 overnight at 4°C, followed by conjugation to the SL40296G-HRP and DAB (C-0010) staining.

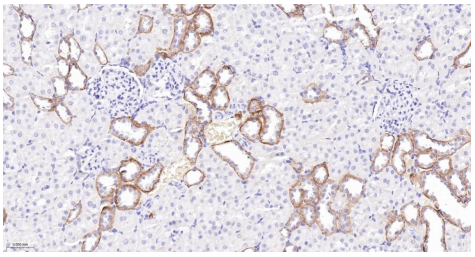


Figure 6. Paraformaldehyde-fixed, paraffin embedded Mouse Kidney; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with CLDN7 Monoclonal Antibody, Unconjugated (SLA0461M) at 1:200 overnight at 4°C, followed by conjugation to the SL40296G-HRP and DAB (C-0010) staining.

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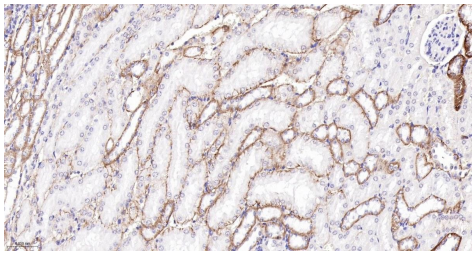


Figure 7. Paraformaldehyde-fixed, paraffin embedded Rat Kidney; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with CLDN7 Monoclonal Antibody, Unconjugated (SLA0461M) at 1:200 overnight at 4°C, followed by conjugation to the SL40296G-HRP and DAB (C-0010) staining.

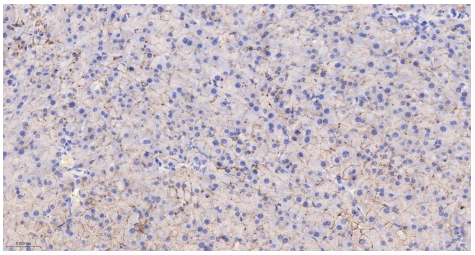


Figure 8. Paraformaldehyde-fixed, paraffin embedded Rat Pancreas; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with CLDN7 Monoclonal Antibody, Unconjugated (SLA0461M) at 1:200 overnight at 4°C, followed by conjugation to the SL40296G-HRP and DAB (C-0010) staining.

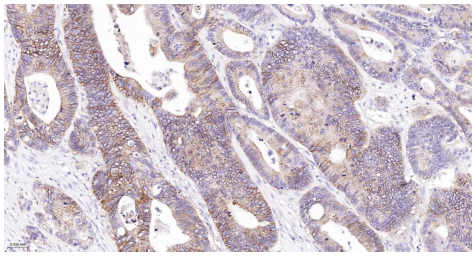


Figure 9. Paraformaldehyde-fixed, paraffin embedded Human Colon Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with CLDN7 Monoclonal Antibody, Unconjugated (SLA0461M) at 1:200 overnight at 4°C, followed by conjugation to the SL40296G-HRP and DAB (C-0010) staining.
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