

# LI Cadherin/Cadherin-17 Rabbit mAb

Catalog No.: A5286

Recombinant

1 Publications

## Basic Information

### Observed MW

120 kDa

### Calculated MW

92 kDa

### Category

Primary antibody

### Applications

WB,IF-P,IHC-P,ELISA

### Cross-Reactivity

Human, Mouse, Rat

### CloneNo number

ARC1989

## Background

This gene is a member of the cadherin superfamily, genes encoding calcium-dependent, membrane-associated glycoproteins. The encoded protein is cadherin-like, consisting of an extracellular region, containing 7 cadherin domains, and a transmembrane region but lacking the conserved cytoplasmic domain. The protein is a component of the gastrointestinal tract and pancreatic ducts, acting as an intestinal proton-dependent peptide transporter in the first step in oral absorption of many medically important peptide-based drugs. The protein may also play a role in the morphological organization of liver and intestine. Alternative splicing results in multiple transcript variants.

## Recommended Dilutions

**WB** 1:3000 - 1:15000

**IF-P** 1:100 - 1:1000

**IHC-P** 1:400 - 1:1600

**ELISA** Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

## Immunogen Information

### Gene ID

1015

### Swiss Prot

Q12864

### Immunogen

Synthetic peptide. This information is considered to be commercially sensitive.

### Synonyms

HPT1; CDH16; HPT-1; LI Cadherin/Cadherin-17

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

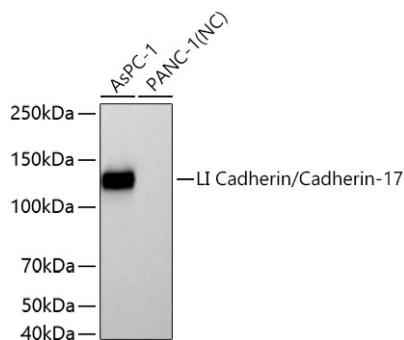
Affinity purification

### Storage

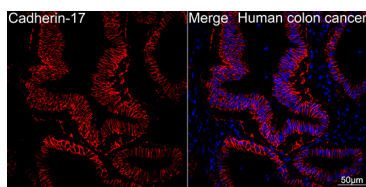
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

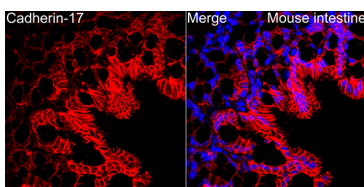
## Validation Data



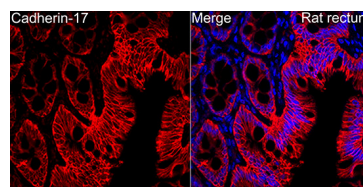
Western blot analysis of various lysates using LI Cadherin/Cadherin-17 Rabbit mAb (A5286) at 1:7000 dilution incubated overnight at 4°C.  
 Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
 Lysates/proteins: 25 µg per lane.  
 Blocking buffer: 3% nonfat dry milk in TBST.  
 Detection: ECL Basic Kit (RM00020).  
 Negative control (NC): PANC-1.  
 Exposure time: 30 s.



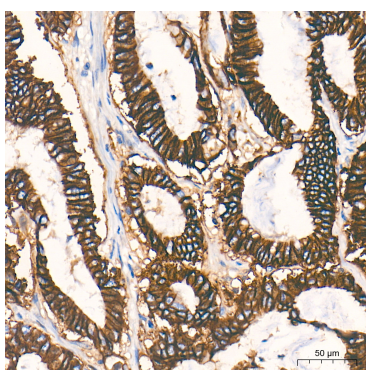
Confocal imaging of Human colon cancer using LI Cadherin/Cadherin-17 Rabbit mAb (A5286, dilution 1:100)(Red). DAPI was used for nuclear staining (blue). Objective: 40x.



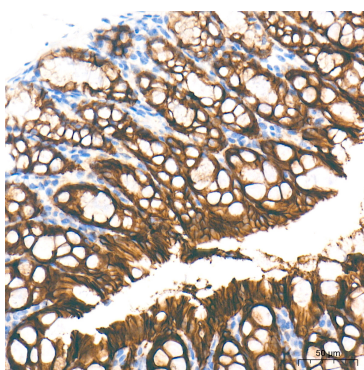
Immunofluorescence analysis of paraffin-embedded mouse Intestine using LI Cadherin/Cadherin-17 Rabbit mAb (A5286) at dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



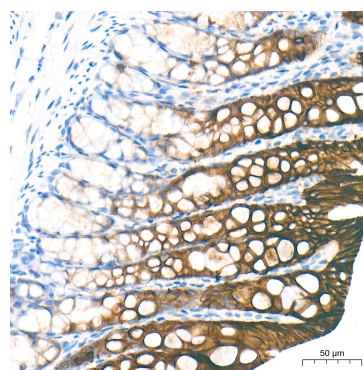
Immunofluorescence analysis of paraffin-embedded rat rectum using LI Cadherin/Cadherin-17 Rabbit mAb (A5286) at dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunohistochemistry analysis of paraffin-embedded Human colon carcinoma tissue using LI Cadherin/Cadherin-17 Rabbit mAb (A5286) at a dilution of 1:400 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Mouse colon tissue using LI Cadherin/Cadherin-17 Rabbit mAb (A5286) at a dilution of 1:400 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Rat intestine tissue using LI Cadherin/Cadherin-17 Rabbit mAb (A5286) at a dilution of 1:400 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.