

## Anti-Cadherin 17/CDH17 Antibody (9M822)

## Product Details

Ig Type:	Mouse IgG2b
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	9M822
Purification:	Protein A

## Applications

Verified Activity:	1. Immunochemical staining of human CDH17 in human rectal carcinoma (from 2 donors) with mouse monoclonal antibody (1:60, formalin-fixed paraffin embedded sections). The image showing membrane staining of intestinal gland.
	2. Immunochemical staining of human CDH17 in human appendix with mouse monoclonal antibody (1:60, formalin-fixed paraffin embedded sections). The image showing membrane staining of intestinal gland.
Application:	IHC-P
Recommended	IHC-P: 1:50-1:200

## Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. Preservative-Free.
Shipping:	Shipping with blue ice.

## Antigen Details

Immunogen:	Recombinant Protein: Human Cadherin-17 / LI-cadherin / CDH17 protein (TMPY-01912)
Antigen Species:	Human
Synonyms:	cadherin 17, LI cadherin (liver-intestine)

## Research Background

Cadherin-17 or LI-cadherin is a member of the cadherin superfamily, genes encoding calcium-dependent, membrane-associated glycoproteins. Cadherin-17/LI-cadherin is a cadherin-like protein consisting of an extracellular region, 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 of the encoding gene results in multiple transcript variants. Cadherin-17/LI-cadherin preferentially interact with themselves in a homophilic manner in connecting cells. Cadherin-17 may thus contribute to the sorting of heterogeneous cell types and have a role in the morphological organization of liver and intestine. It's also involved in intestinal peptide transport. Experiments have reported the association between Cadherin-17/LI-cadherin and gastric cancer. Cadherin-17/LI-cadherin expression was detected in 63/94 of gastric adenocarcinomas in addition to intestinal metaplasia. The expression of Cadherin-17 tended to be associated with intestinal type carcinoma, and carcinomas with Cadherin-17 expression was significantly more frequent in advanced stage cases than in early

stage. Cadherin-17 is also a useful immunohistochemical marker for diagnosis of adenocarcinomas of the digestive system.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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