

Mouse Anti-Cadherin-LI/CDH17 [CDH17/2615]: MC0728, MC0728RTU7

Intended Use: For Research Use Only

Description: LI-Cadherin (Liver-intestine cadherin), also known as Cadherin 17 (CDH17), is a member of the cadherin family. Cadherins are Ca(2+)- dependent transmembrane glycoproteins that mediate cell-cell adhesion and are important for the structural integrity of epithelia. Cadherin-LI and the classical E-cadherin are the predominant two cadherins in the intestinal epithelium. LI-cadherin contains seven cadherin repeats and a short cytoplasmic domain that does not interact with catenins or the actin cytoskeleton. It is involved in intestinal peptide transport. In normal tissues, the CDH17 antibody labels epithelial cells in the gastrointestinal tract and pancreatic duct, but not in kidney, liver and other tissues. In tumors, CDH17 is also specifically expressed on adenocarcinoma of the digestive system including liver cancer. Less than 1% of non-GI tract tumors showed immunoreactivity with CDH17. CDH17 is thus considered to be a useful marker for tumors derived from the digestive system. It is a sensitive marker for the identification of gastric intestinal metaplasia and well differentiated adenocarcinomas.

Specifications:

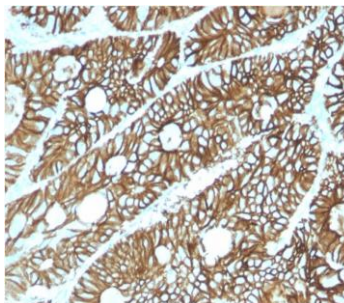
Clone: CDH17/2615
 Source: Mouse
 Isotype: IgG2b/k
 Reactivity: Human
 Immunogen: Recombinant fragment aa 242-418 of human Cadherin 17 protein (CDH17)
 Localization: Membrane
 Formulation: Purified antibody in PBS pH7.4, containing BSA and ≤ 0.09% sodium azide (NaN₃)
 Storage: Store at 2°- 8°C
 Applications: IHC
 Package:

| Description | Catalog No. | Size |
|--------------------------------|-------------|------|
| Cadherin-LI/CDH17 Concentrated | MC0728 | 1 ml |
| Cadherin-LI/CDH17 Prediluted | MC0728RTU7 | 7 ml |

IHC Procedure*:

Positive Control Tissue: Colon, colon cancer
 Concentrated Dilution: 50-200
 Pretreatment: Tris EDTA pH9.0, 15 minutes Pressure Cooker or 30-60 minutes water bath at 95°-99°C
 Incubation Time and Temp: 30-60 minutes @ RT
 Detection: Refer to the detection system manual

* Result should be confirmed by an established diagnostic procedure.



FFPE human colon tissue stained with anti-Cadherin-LI using DAB

References:

1. Inhibition of CDH17 gene expression via RNA interference reduces proliferation and apoptosis of human MKN28 gastric cancer cells. Li R, et al. Int J Oncol 50:15-22, 2017.
2. High-throughput proteomics integrated with gene microarray for discovery of colorectal cancer potential biomarkers. Yu J, et al. Oncotarget 7:75279-75292, 2016.

Doc. 100-MC0728
Rev. A