

CDH17 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant CDH17. Catalog # AT1472a

Specification

CDH17 Antibody (monoclonal) (M01) - Product Information

Application WB, IHC, E **Primary Accession** 012864 Other Accession NM 004063 Reactivity Human Host mouse Clonality **Monoclonal** Isotype IgG1 Kappa Calculated MW 92219

CDH17 Antibody (monoclonal) (M01) - Additional Information

Gene ID 1015

Other Names

Cadherin-17, Intestinal peptide-associated transporter HPT-1, Liver-intestine cadherin, LI-cadherin, CDH17

Target/Specificity

CDH17 (NP_004054, 24 a.a. \sim 131 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Dilution

WB~~1:500~1000 IHC~~1:100~500 E~~N/A

Format

Clear, colorless solution in phosphate buffered saline, pH 7.2.

Storage

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Precautions

CDH17 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

CDH17 Antibody (monoclonal) (M01) - Protocols

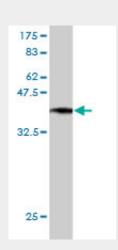
Provided below are standard protocols that you may find useful for product applications.

• Western Blot

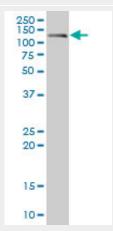


- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

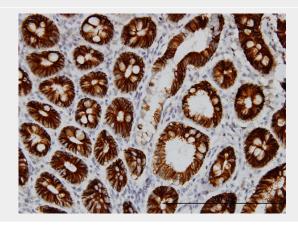
CDH17 Antibody (monoclonal) (M01) - Images



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (37.62 KDa).

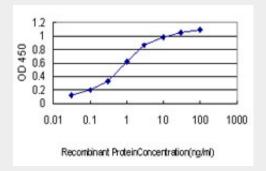


CDH17 monoclonal antibody (M01), clone 1H3. Western Blot analysis of CDH17 expression in human intestinal wall.





Immunoperoxidase of monoclonal antibody to CDH17 on formalin-fixed paraffin-embedded human small Intestine. [antibody concentration 3 ug/ml]



Detection limit for recombinant GST tagged CDH17 is approximately 0.03ng/ml as a capture antibody.

CDH17 Antibody (monoclonal) (M01) - 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.

CDH17 Antibody (monoclonal) (M01) - References

1.Comparison of cadherin-17 expression between primary colorectal adenocarcinomas and their corresponding metastases: the possibility of a diagnostic marker for detecting the primary site of metastatic tumour.Park JH, Seol JA, Choi HJ, Roh YH, Choi PJ, Lee KE, Roh MS.Histopathology. 2011 Jan;58(2):315-8. doi: 10.1111/j.1365-2559.2011.03746.x.2.Cadherin-17 is a useful diagnostic marker for adenocarcinomas of the digestive system.Su MC, Yuan RH, Lin CY, Jeng YM.Mod Pathol. 2008 Nov;21(11):1379-86. Epub 2008 Jun 13.