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CDH17 Antibody

Purified Mouse Monoclonal Antibody
Catalog # AO2004a

Product Information

Application	WB, IHC, E
Primary Accession	Q12864
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Clone Names	7D10E1
Isotype	IgG1
Calculated MW	92219
Description	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.
Immunogen	Purified recombinant fragment of human CDH17 (AA: extra(600-707)) expressed in E. Coli.
Formulation	Purified antibody in PBS with 0.05% sodium azide.

Additional Information

Gene ID	1015
Other Names	Cadherin-17, Intestinal peptide-associated transporter HPT-1, Liver-intestine cadherin, LI-cadherin, CDH17
Dilution	WB~~1/500 - 1/2000 IHC~~1/200 - 1/1000 E~~1/10000
Storage	Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	CDH17 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	CDH17
Function	Cadherins are calcium-dependent cell adhesion proteins. They preferentially interact with themselves in a homophilic manner in connecting cells; cadherins may thus contribute to the sorting of heterogeneous cell types. LI-cadherin may have a role in the morphological organization of liver and intestine. Involved in intestinal peptide transport.
Cellular Location	Cell membrane; Single-pass type I membrane protein
Tissue Location	Expressed in the gastrointestinal tract and pancreatic duct. Not detected in kidney, lung, liver, brain, adrenal gland and skin.

References

1. Cancer Biol Ther. 2013 Mar;14(3):262-70.2. Mod Pathol. 2008 Nov;21(11):1379-86.

Images

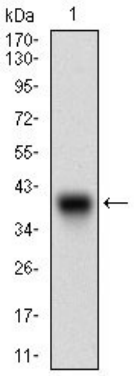


Figure 1: Western blot analysis using CDH17 mAb against human CDH17 (AA: extra(600-707)) recombinant protein. (Expected MW is 37.9 kDa)

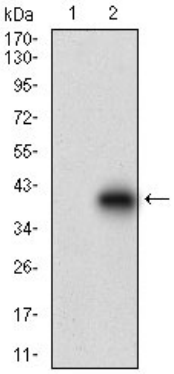


Figure 2: Western blot analysis using CDH17 mAb against HEK293 (1) and CDH17 (AA: extra(600-707))-hIgGFc transfected HEK293 (2) cell lysate.

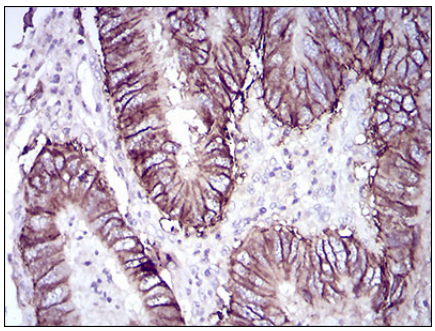
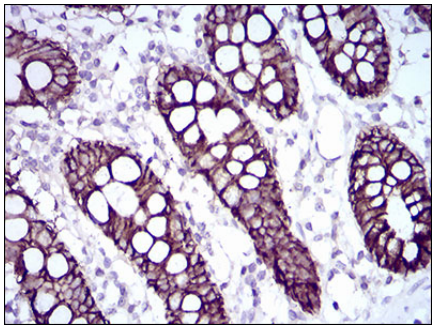


Figure 3: Immunohistochemical analysis of paraffin-embedded rectum cancer tissues using CDH17 mouse mAb with DAB staining.

Figure 4: Immunohistochemical analysis of paraffin-embedded colon tissues using CDH17 mouse mAb with DAB staining.



Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.