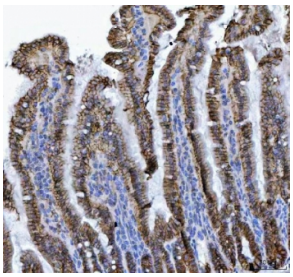
CDH17 Antibody / Cadherin 17 (RQ6713)

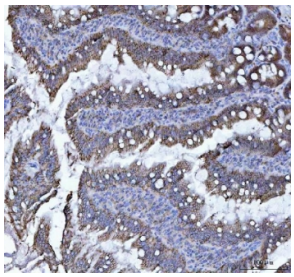
Catalog No.	Formulation	Size
RQ6713	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

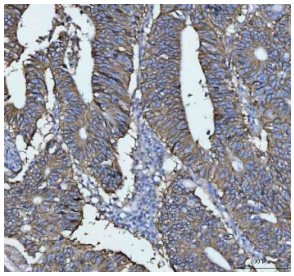
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q12864
Localization	Cell surface, Cytoplasmic
Applications	Immunohistochemistry (FFPE) : 2-5ug/ml Immunofluorescence (FFPE) : 5ug/ml Flow Cytometry : 1-3ug/million cells Direct ELISA : 0.1-0.5ug/ml
Limitations	This CDH17 antibody is available for research use only.



IHC staining of FFPE mouse colon tissue with CDH17 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.

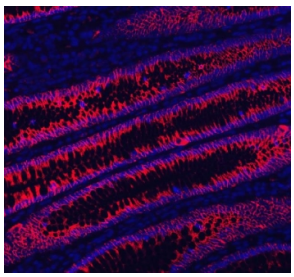


IHC staining of FFPE rat colon tissue with CDH17 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.

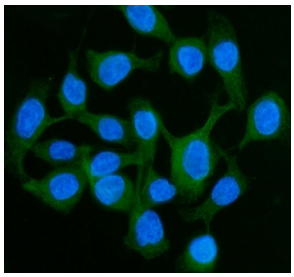


IHC staining of FFPE human rectal cancer tissue with CDH17 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.

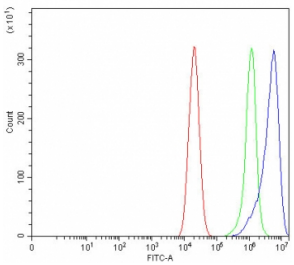
Immunofluorescent staining of FFPE human intestinal cancer tissue with CDH17 antibody (red) and DAPI nuclear stain (blue). HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Immunofluorescent staining of FFPE human intestinal cancer tissue with CDH17 antibody (red) and DAPI nuclear stain (blue). HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Immunofluorescent staining of FFPE human Caco-2 cells with CDH17 antibody (green) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



Flow cytometry testing of fixed and permeabilized human Caco-2 cells with CDH17 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= CDH17 antibody.

Description

Cadherin-17 is a protein that in humans is encoded by the CDH17 gene. By somatic cell hybrid analysis and fluorescence in situ hybridization, CDH17 gene is mapped to 8q22.1. 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.

Application Notes

Optimal dilution of the CDH17 antibody should be determined by the researcher.

Immunogen

Recombinant human protein (amino acids E24-Q695) was used as the immunogen for the CDH17 antibody.

Storage

After reconstitution, the CDH17 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.