

12-9618: Anti-CDH17 antibody(5F5), IgG1 Chimeric mAb

Clonality :	Monoclonal
Clone Name :	5F5
Reactivity :	Human
Gene :	CDH17
Uniprot ID :	Q12864
Alternative Name :	CDH16;HPT-1;HPT1
Isotype :	Rabbit/Human Fc chimeric IgG1

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. [provided by RefSeq, Jan 2009]

Product Info

Amount :	10µg / 100 µg
Purification :	Purified from cell culture supernatant by affinity chromatography
Content :	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.
Storage condition :	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.

Application Note

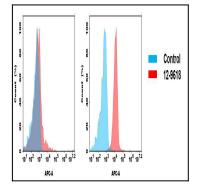
WB 1:1000; Flow Cyt 1:100

-		
	AGS	HT55
250 kDa -		
130 kDa -		
100 kDa -		-
70 kDa -		Statistics .
55 kDa -		
35 kDa -		an the s
25 kDa -		

"Figure 1.Anti-CDH17 antibody (SKU# 12-9618) at 1/1000 dilution Lane 1: AGS, whole cell lysate Lane 2: HT55, whole cell lysate Secondary : Goat Anti-Rabbit IgG H&L (HRP) at 1/5000 dilution Predicted band size: 92 kDa Observed band size: 120 kDa"

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"Figure 2. Flow cytometry analysis of antigen binding of anti-human CDH17 mAb(12-9618). (A) 12-9618 does not bind to 293T cells that do not express CDH17 (B) A clear peak shift of 12-9618 was seen compared to the control when incubated with CDH17 -expressing HT55 cells, indicating strong binding of 12-9618 to CDH17. Antibodies were incubated at 2μ g/mL. "