

anti-Human Cadherin 17 Antibody | anti-CDH17 antibody

Anti-Cadherin 17 [D2111]

CATALOG # AAA72404	REACTIVITY Human	APPLICATIONS Flow Cytometry, Functional Assay, ELISA
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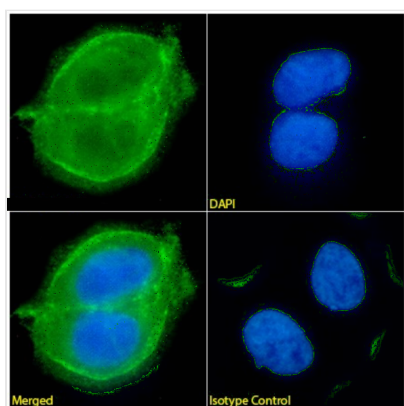
PRODUCT SYNONYMS

Cadherin 17; Anti-Cadherin 17 [D2111]; Cadherin-17; CDH17; Intestinal peptide-associated transporter HPT-1; Liver-intestine cadherin; LI-cadherin; anti-CDH17 antibody

PRODUCT SPECIFICATIONS

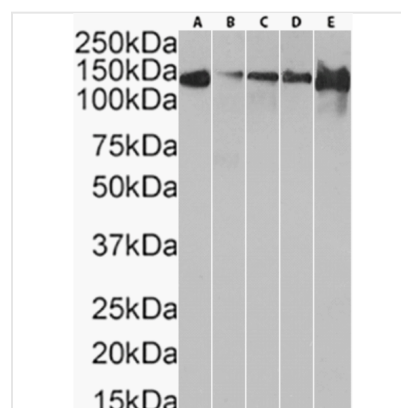
Reactivity	Human
Isotype	Mouse IgG1 kappa
Clone Number	D2111
Specificity	This antibody recognizes the human cadherin 17. Cadherins are calcium-dependent cell adhesion proteins. It is localized on the surfaces of epithelial cells in regions of cell-cell contact known as adherens junctions. They preferentially interact with themselves in a homophilic manner in connecting cells; cadherins may thus contribute to the sorting of heterogeneous cell types.
Purity/Purification	Purified. Protein A affinity purified
Form/Format	PBS with 0.02% Proclin 300.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-CDH17 antibody	FCM/FACS (Flow Cytometry), ELISA
Preparation and Storage	Store at 4 degree C for up to 3 months. For longer storage, aliquot and store at -20 degree C.

IMAGES



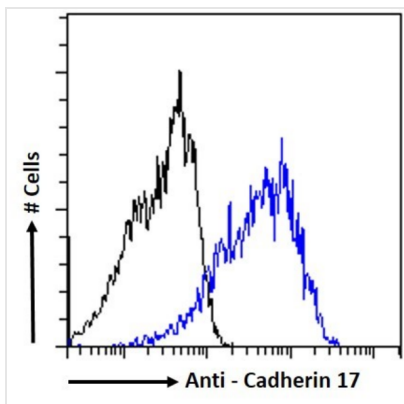
IF (Immunofluorescence)

Immunofluorescence staining of Caco-2 cells with anti-Cadherin 17 antibody D2111 . Immunofluorescence analysis of paraformaldehyde fixed Caco-2 cells on Shi-fix™ coverslips stained with the chimeric rabbit IgG version of D2111 (1:100 dilution) for 1h followed by Alexa Fluor 488 secondary antibody (1:1000 dilution), showing membrane staining. The nuclear stain is DAPI (blue). Panels show, from left-right, top-bottom., DAPI, merged channels, and an isotype control. The isotype control was an unknown specificity antibody followed by staining with Alexa Fluor 488 secondary antibody.



WB (Western Blot)

Western blot using anti-Cadherin 17 antibody D2111 . Caco-2 (A) (0.001ug/ml) cells lysate, human duodenum (B) (0.01ug/ml), ileum (C) (0.001ug/ml), colon (D) (0.001ug/ml), and colorectal carcinoma (E) (0.001ug/ml) tissue lysates (35ug protein in RIPA buffer) were resolved on an SDS-PAGE gel, and blots were probed with the chimeric rabbit version of D2111 at the mentioned respective concentrations before detection using an anti-rabbit secondary antibody. A primary incubation of 1 hour was used, and protein was detected by chemiluminescence.



FCM/FACS (Flow Cytometry)
 Flow cytometry using anti-Cadherin 17 antibody D2111 . Caco-2 cells were stained with the anti-unknown specificity antibody (isotype control, black line) or the rabbit IgG version of D2111 at a dilution of 1:100 for 1h at RT. After washing, the bound antibody was detected using a goat anti-rabbit IgG AlexaFluor 488 antibody at a dilution of 1:1000, and the cells were analyzed using a FACSCanto flow-cytometer.

ADDITIONAL INFORMATION

Related Product Information for anti-CDH17 antibody	The original antibody was generated by immunizing GP64 transgenic mice with human cadherin 17.
Product Categories/Family for anti-CDH17 antibody	cell adhesion ; cancer ; oncology ; tumor imaging

NCBI AND UNIPROT INFORMATION

NCBI GI #	221316595
NCBI GeneID	1015
NCBI Accession #	NP_001138135.1
NCBI GenBank Nucleotide #	NM_001144663.1
UniProt Accession #	Q12864 ; Q15336 ; Q2M2E0
Molecular Weight	92,219 Da
NCBI Official Full Name	cadherin-17
NCBI Official Synonym Full Names	cadherin 17, LI cadherin (liver-intestine)
NCBI Official Symbol	CDH17
NCBI Official Synonym Symbols	HPT1; CDH16; HPT-1
NCBI Protein Information	cadherin-17; LI cadherin; LI-cadherin; cadherin-16; HPT-1 cadherin; liver-intestine cadherin; human peptide transporter 1; intestinal peptide-associated transporter HPT-1; human intestinal peptide-associated transporter HPT-1
UniProt Protein Name	Cadherin-17
UniProt Gene Name	CDH17
UniProt Synonym Gene Names	LI-cadherin
UniProt Entry Name	CAD17_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

