

anti-Human Cadherin 17 Antibody | anti-CDH17 antibody

Anti-Cadherin 17 [D2111]

CATALOG # AAA72405	REACTIVITY Human	APPLICATIONS Flow Cytometry, Functional Assay, ELISA
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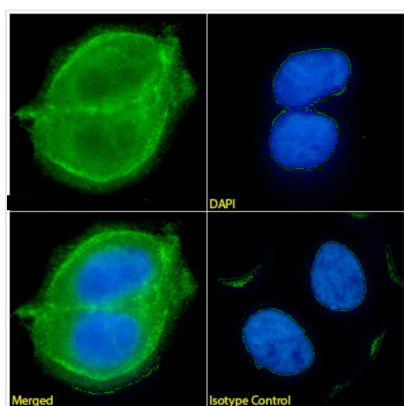
PRODUCT SYNONYMS

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

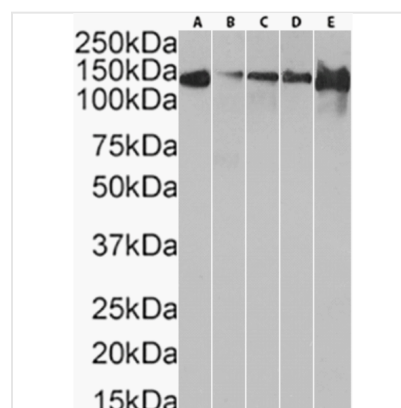
Reactivity	Human
Isotype	Rabbit IgG kappa
Clone Number	D2111
Specificity	This antibody recognizes the human cadherin 17. Cadherins are calcium-dependent cell adhesion proteins. It is localized on the surfaces of epithelial cells in regions of cell-cell contact known as adherens junctions. They preferentially 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



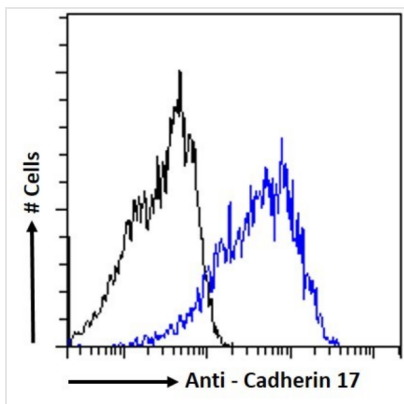
IF (Immunofluorescence)

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 (AAA72405) (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, AAA72405, 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 (AAA72405) 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 (AAA72405, blue line) 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. This chimeric rabbit antibody was made using the variable domain sequences of the original Mouse IgG1 format for improved compatibility with existing reagents assays and techniques.
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.

