

Rabbit anti-Human CLDN16 Polyclonal Antibody | anti-CLDN16 antibody

CLDN16 Antibody (N-term)

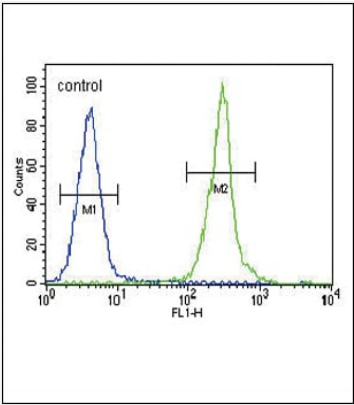
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA284820	Rabbit	Human	Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

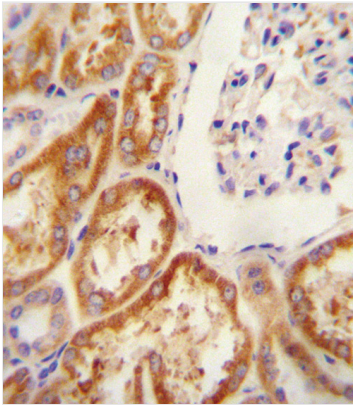
CLDN16; Polyclonal Antibody; CLDN16 Antibody (N-term); Claudin-16; Paracellin-1; PCLN-1; PCLN1; anti-CLDN16 antibody

PRODUCT SPECIFICATIONS

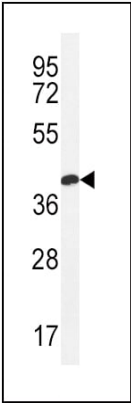
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This CLDN16 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 6-33 amino acids from the N-terminal region of human CLDN16.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.36 (varies by lot)
Sequence Positions	6-33
Sequence Length	305
Applicable Applications for anti-CLDN16 antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



FCM/FACS (Flow Cytometry)
CLDN16 Antibody (N-term) flow cytometric analysis of MDA-MB435 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohistochemistry)
CLDN16 antibody (N-term) immunohistochemistry analysis in formalin fixed and paraffin embedded human kidney tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the CLDN16 antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
CLDN16 Antibody (N-term) western blot analysis in MDA-MB435 cell line lysates (35ug/lane). This demonstrates the CLDN16 antibody detected the CLDN16 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-CLDN16 antibody	Tight junctions represent one mode of cell-to-cell adhesion in epithelial or endothelial cell sheets, forming continuous seals around cells and serving as a physical barrier to prevent solutes and water from passing freely through the paracellular space. These junctions are comprised of sets of continuous networking strands in the outwardly facing cytoplasmic leaflet, with complementary grooves in the inwardly facing extracytoplasmic leaflet. The protein encoded by this gene, a member of the claudin family, is an integral membrane protein and a component of tight junction strands. It is found primarily in the kidneys, specifically in the thick ascending limb of Henle, where it acts as either an intercellular pore or ion concentration sensor to regulate the paracellular resorption of magnesium ions. Defects in this gene are a cause of primary hypomagnesemia, which is characterized by massive renal magnesium wasting with hypomagnesemia and hypercalciuria, resulting in nephrocalcinosis and renal failure. This gene and the CLDN1 gene are clustered on chromosome 3q28.
Product Categories/Family for anti-CLDN16 antibody	Signal Transduction

References	Kuo, S.J., et al. Oncol. Rep. 24(3):759-766(2010) Efrati, E., et al. Cell. Physiol. Biochem. 25(6):705-714(2010) Shuen, A.Y., et al. Clin. Chim. Acta 409 (1-2), 28-32 (2009) : Al-Haggar, M., et al. Clin. Exp. Nephrol. 13(4):288-294(2009) Lal-Nag, M., et al. Genome Biol. 10 (8), 235 (2009) :
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NCBI AND UNIPROT INFORMATION

NCBI GI #	5729970
NCBI GeneID	10686
NCBI Accession #	NP_006571.1
NCBI GenBank Nucleotide #	NM_006580.3
UniProt Accession #	Q9Y5I7
Molecular Weight	33836
NCBI Official Full Name	claudin-16
NCBI Official Synonym Full Names	claudin 16
NCBI Official Symbol	CLDN16
NCBI Official Synonym Symbols	HOMG3; PCLN1
NCBI Protein Information	claudin-16
UniProt Protein Name	Claudin-16
UniProt Gene Name	CLDN16
UniProt Synonym Gene Names	PCLN1; PCLN-1
UniProt Entry Name	CLD16_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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/cldn16-antibody-flow-cytometry-immunohistochemistry-western-blot-elisa/284820>