

Rabbit Claudin 5 Polyclonal Antibody | anti-CLDN5 antibody

Claudin 5 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA320778	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

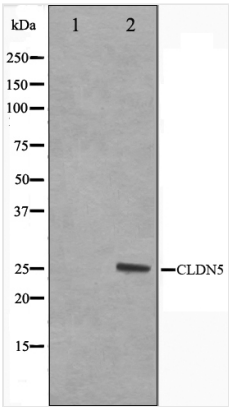
PRODUCT SYNONYMS

Claudin 5; Polyclonal Antibody; Claudin 5 Antibody; Androgen withdrawal and apoptosis induced protein RVP1 like; AWAL; BEC 1; BEC1; Claudin 5 (transmembrane protein deleted in velocardiofacial syndrome); Claudin-5; Claudin5; CLD5_HUMAN; CLDN 5; Cldn5; CPETR L1; CPETRL 1; CPETRL1; TMDVCF; TMVCF; Transmembrane protein deleted in VCFS; Transmembrane protein deleted in velocardiofacial syndrome; anti-CLDN5 antibody

PRODUCT SPECIFICATIONS

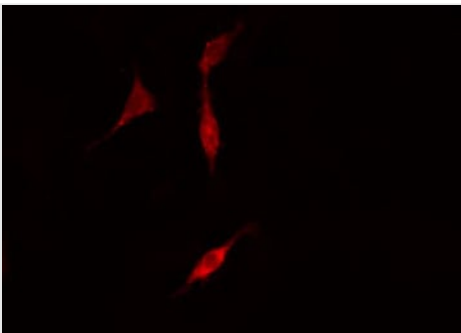
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	Claudin 5 antibody detects endogenous levels of total Claudin 5
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	303
Applicable Applications for anti-CLDN5 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human Claudin 5
Subcellular Location	Cell Junction > Tight Junction. Cell Membrane.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis on A549 cell lysate using Claudin 5 Antibody, The lane on the left is treated with the antigen-specific peptide.



IF (Immunofluorescence)

AAA320778 staining A549 cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-CLDN5 antibody	Description: Claudin 5 Plays a major role in tight junction-specific obliteration of the intercellular space. Belongs to the claudin family. Directly interacts with TJP1/ZO-1, TJP2/ZO-2 and TJP3/ZO-3. Interacts with MPDZ. Function: Plays a major role in tight junction-specific obliteration of the intercellular space. Subunit Structure: Directly interacts with TJP1/ZO-1, TJP2/ZO-2 and TJP3/ZO-3. Interacts with MPDZ (By similarity). Similarity: Belongs to the claudin family.
References	Yang L, Han B, Zhang Y, Bai Y, Chao J, Hu G, Yao H; Journal: Autophagy. Engagement of circular RNA HECW2 in the nonautophagic role of ATG5 implicated in the endothelial-mesenchymal transition.

NCBI AND UNIPROT INFORMATION

NCBI GI #	195947374
NCBI GeneID	7122
NCBI Accession #	NP_001124333.1
NCBI GenBank Nucleotide #	NM_001130861.1
UniProt Accession #	O00501; Q53XW2; Q8WUW3; B3KS11
Molecular Weight	Observed: 23 kDa Predicted: 24 kDa
NCBI Official Full Name	claudin-5 isoform 1
NCBI Official Synonym Full Names	claudin 5
NCBI Official Symbol	CLDN5
NCBI Official Synonym Symbols	AWAL; BEC1; TMVCF; TMDVCF; CPETRL1
NCBI Protein Information	claudin-5
UniProt Protein Name	Claudin-5
UniProt Gene Name	CLDN5
UniProt Synonym Gene Names	AWAL; TMVCF; TMDVCF

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.

