

Rabbit anti-Human CLDN8 Polyclonal Antibody | anti-CLDN8 antibody

CLDN8 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA324619	Rabbit	Human	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

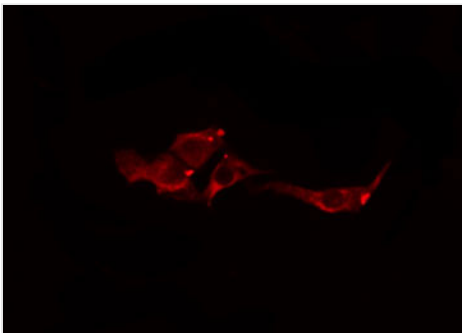
PRODUCT SYNONYMS

CLDN8; Polyclonal Antibody; CLDN8 Antibody; Claudin 8; Claudin-8; CLD8_HUMAN; Cldn8; Epididymis secretory protein Li 79; HEL S 79; OTTHUMP00000101915; anti-CLDN8 antibody

PRODUCT SPECIFICATIONS

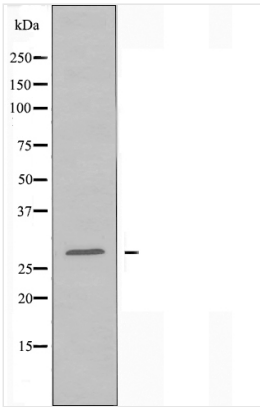
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	CLDN8 antibody detects endogenous levels of total CLDN8
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	225
Applicable Applications for anti-CLDN8 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Cell Junction > Tight Junction. Cell Membrane. Localizes to tight junctions in all 3 segments of the epididymis, in the caput found in the lateral margins of principal cells, and in the corpus at the interface between basal and principal cells.
Tissue Specificity	Expressed in the epididymis, mainly in the caput segment.
Predicted Cross Reactivity	Bovine, Horse, Sheep, Rabbit
Similarity	Bovine (82%), Horse (82%), Sheep (91%), Rabbit (82%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA324619 staining Hela 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.



WB (Western Blot)

Western blot analysis of extracts from Jurkat cells, using CLDN8 antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-CLDN8 antibody

Function: Tight-junction protein required for paracellular chloride transport in the kidney. Mediates recruitment of CLDN4 to tight junction in the kidney. Claudins play a major role in tight junction-specific obliteration of the intercellular space, through calcium-independent cell-adhesion activity.
Subunit Structure: Directly interacts with TJP1/ZO-1, TJP2/ZO-2 and TJP3/ZO-3. Interacts with CLDN4. Interacts with KLHL3.
Post-translational Modifications: Ubiquitinated by the BCR(KLHL3) E3 ubiquitin ligase complex in the kidney, leading to its degradation.
Similarity: Belongs to the claudin family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	40788011
NCBI GeneID	9073
NCBI Accession #	NP_955360.1
NCBI GenBank Nucleotide #	NM_199328.2
UniProt Accession #	P56748; Q53EX7; D3DSE3
Molecular Weight	Observed: 28 kD Predicted: 25 kDa
NCBI Official Full Name	claudin-8
NCBI Official Synonym Full Names	claudin 8
NCBI Official Symbol	CLDN8
NCBI Official Synonym Symbols	HEL-S-79
NCBI Protein Information	claudin-8
UniProt Protein Name	Claudin-8
UniProt Gene Name	CLDN8

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.