10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

CLDN8 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP9222c

Product Information

Application	WB, FC, E
Primary Accession	P56748
Reactivity	Human
Predicted	Rat, Bovine, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB23223
Calculated MW	24845
Antigen Region	140-166

Additional Information

Gene ID	9073
Other Names	Claudin-8, CLDN8
Target/Specificity	This CLDN8 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 140-166 amino acids from the Central region of human CLDN8.
Dilution	WB~~1:1000 FC~~1:10~50 E~~Use at an assay dependent concentration.
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.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	CLDN8 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	CLDN8 {ECO:0000303|PubMed:36008380, ECO:0000312|HGNC:HGNC:2050}
Function	Can associate with other claudins to regulate tight junction structural and functional strand dynamics (By similarity). May coassemble with CLDN4 into tight junction strands containing anion- selective channels that convey paracellular chloride permeability in renal collecting ducts (By similarity)

	(PubMed:36008380). Cannot form tight junction strands on its own (PubMed:36008380).
Cellular Location	Cell junction, tight junction. Cell membrane {ECO:0000250|UniProtKB:Q9Z260}; Multi-pass membrane protein. Note=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 Location	Expressed in the epididymis, mainly in the caput segment.

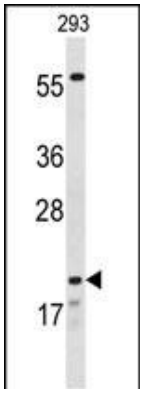
Background

CLDN8 is components of epithelial cell tight junctions. Tight junctions regulate movement of solutes and ions through the paracellular space and prevent mixing of proteins and lipids in the outer leaflet of the apical and basolateral plasma membrane domains

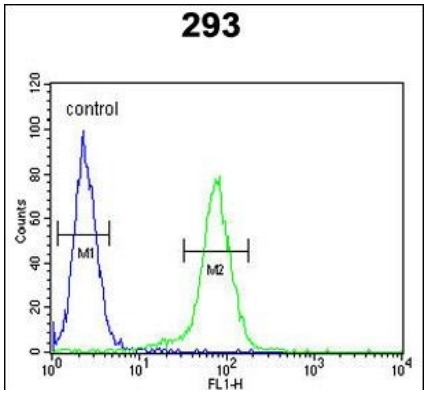
References

Kim,S.S., et.al., Histopathology 54 (5), 633-635 (2009)
Osunkoya,A.O., et.al, Hum. Pathol. 40 (2), 206-210 (2009)

Images



Western blot analysis of CLDN8 Antibody (Center) (Cat. #AP9222c) in 293 cell line lysates (35ug/lane). CLDN8 (arrow) was detected using the purified Pab.



CLDN8 Antibody (Center) (Cat. #AP9222c) flow cytometric analysis of 293 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

Citations

- Claudin 8 Contributes to Malignant Proliferation in Human Osteosarcoma U2OS Cells.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.