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CLDN22 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP10232c

Product Information

Application	WB, FC, E
Primary Accession	Q8N7P3
Other Accession	A6NM45, NP_001104789.1
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB25720
Calculated MW	24509
Antigen Region	90-117

Additional Information

Gene ID	53842
Other Names	Claudin-22, CLDN22
Target/Specificity	This CLDN22 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 90-117 amino acids of human CLDN22.
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	CLDN22 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	CLDN22
Function	Plays a major role in tight junction-specific obliteration of the intercellular space, through calcium-independent cell-adhesion activity.
Cellular Location	Cell junction, tight junction. Cell membrane; Multi-pass membrane protein

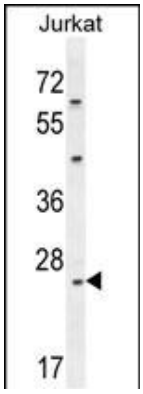
Background

This gene encodes a member of the claudin family. Claudins are integral membrane proteins and components of tight junction strands. Tight junction strands serve as a physical barrier to prevent solutes and water from passing freely through the paracellular space between epithelial or endothelial cell sheets, and also play critical roles in maintaining cell polarity and signal transductions. This gene is intronless and overlaps the 3' UTR of the WWC2 gene (GeneID: 80014) on the opposite strand.

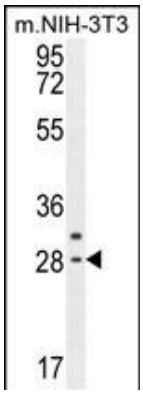
References

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Katoh, M., et al. Int. J. Mol. Med. 11(6):683-689(2003)
Gonzalez-Mariscal, L., et al. Prog. Biophys. Mol. Biol. 81(1):1-44(2003)

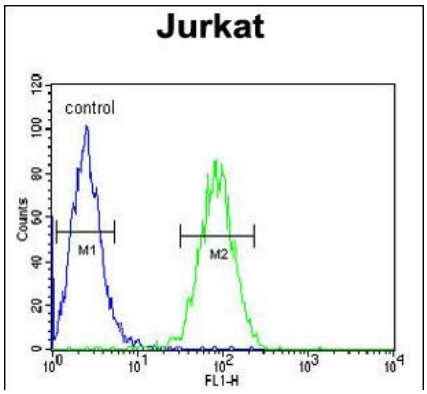
Images



CLDN22 Antibody (Center) (Cat. #AP10232c) western blot analysis in Jurkat cell line lysates (35ug/lane).This demonstrates the CLDN22 antibody detected the CLDN22 protein (arrow).



CLDN22 Antibody (Center) (Cat. #AP10232c) western blot analysis in mouse NIH-3T3 cell line lysates (35ug/lane).This demonstrates the CLDN22 antibody detected the CLDN22 protein (arrow).



CLDN22 Antibody (Center) (Cat. #AP10232c) flow cytometric analysis of Jurkat cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

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