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AP50947PII-S

Midelle EU

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Polyclonal Antibody to CLDN22 (Center) - Aff - Purified

Alternate names: Claudin-22
Catalog No.: AP50947PU-S

Quantity: 20 μg

Concentration: lot specific

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.

Uniprot ID: Q8N7P3

NCBI: NP 001104789

GeneID: 53842 Host / Isotype: Rabbit / Ig

Immunogen: KLH conjugated synthetic peptide between 97-126 amino acids from the Central region of

human CLDN22

Format: State: Liquid purified Ig fraction

Purification: Protein A column, followed by peptide affinity purification

Buffer System: PBS

Preservatives: 0.09% (W/V) Sodium Azide

Applications: ELISA: 1/1000.

Western blot: 1/100-1/500. **Flow Cytometry:** 1/10-1/50.

Other applications not tested. Optimal dilutions are dependent on conditions and should

be determined by the user.

Molecular Weight: 24509 Da

Specificity: This antibody recognizes CLDN22 (Center).

Species Reactivity: Tested: Human and Mouse.

Storage: Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.

Avoid repeated freezing and thawing. Shelf life: one year from despatch.

General Readings: 1. Lal-Nag, M., et al. Genome Biol. 10 (8), 235 (2009)

2. Krause, G., et al. Biochim. Biophys. Acta 1778(3):631-645(2008)

3. Hillier, L.W., et al. Nature 434(7034):724-731(2005) 4. Katoh, M., et al. Int. J. Mol. Med. 11(6):683-689(2003)

For research and in vitro use only. Not for diagnostic or therapeutic work.

Material Safety Datasheets are available at www.acris-antibodies.com or on request.

Acris Antibodies is now part of the OriGene family. Learn more at www.origene.com



OG/20130805



Pictures:

5. Gonzalez-Mariscal, L., et al. Prog. Biophys. Mol. Biol. 81(1):1-44(2003)

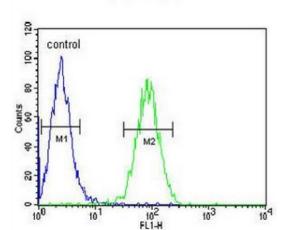
CLDN22 Antibody (Center) (Cat. #AP50947PU-N) western blot analysis in Jurkat cell line lysates (35µg/lane). This demonstrates the CLDN22 antibody detected the CLDN22 protein (arrow).

Jurkat
72 _
55 _
36
28 _

17

CLDN22 Antibody (Center) (Cat. #AP50947PU-N) western blot analysis in mouse NIH-3T3 cell line lysates (35µg/lane). This demonstrates the CLDN22 antibody detected the CLDN22 protein (arrow).

CLDN22 Antibody (Center) (Cat. #AP50947PU-N) flow cytometric analysis of Jurkat cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-antirabbit secondary antibodies were used for the analysis.



Jurkat