Datasheet for ABIN5538726

# anti-Claudin 22 (CLDN22) (AA 90-117) antibody

3 Images

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## Overview

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|---|---|
| Quantity: | 400 µL |
| Target: | Claudin 22 (CLDN22) |
| Binding Specificity: | AA 90-117 |
| Reactivity: | Human, Mouse |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | Un-conjugated |
| Application: | Western Blotting (WB), Flow Cytometry (FACS) |

## Product Details

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| Immunogen: | This CLDN22 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 90-117 amino acids from the Central region of human CLDN22. |
| Isotype: | Ig Fraction |
| Purification: | This antibody is purified through a protein A column, followed by peptide affinity purification. |

## Target Details

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|---|---|
| Target: | Claudin 22 (CLDN22) |
| Alternative Name: | CLDN22 (CLDN22 Products) |
| 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 |

## Target Details

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| | 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. |
| Molecular Weight: | 25 kDa |
| Gene ID: | 53842 |
| UniProt: | Q8N7P3 |
| Pathways: | Cell-Cell Junction Organization, Hepatitis C |

## Application Details

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| Application Notes: | For WB starting dilution is: 1:1000<br><br>For FACS starting dilution is: 1:10~50 |
| Restrictions: | For Research Use only |

## Handling

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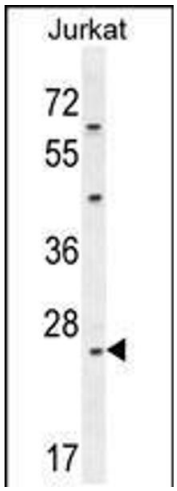
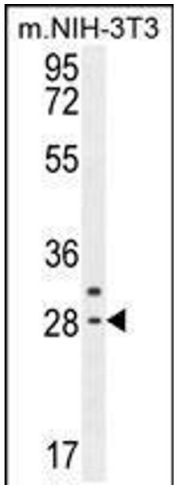
|---|---|
| Format: | Liquid |
| Concentration: | 0.43 mg/mL |
| Buffer: | Supplied in PBS with 0.09 % (W/V) sodium azide. |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage: | 4 °C,-20 °C |
| Storage Comment: | Store at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures. |



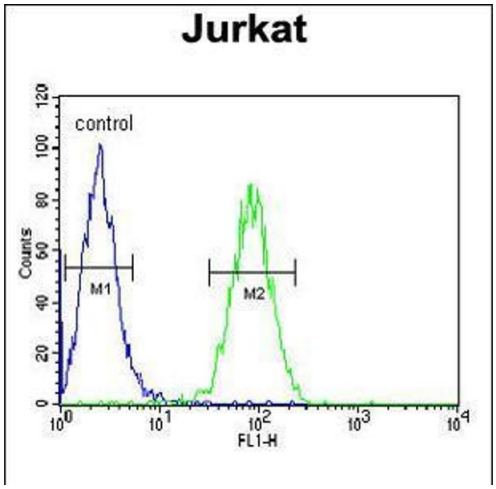

**Western Blotting**

**Image 1.** Western blot analysis in Jurkat cell line lysates (35ug/lane).




**Western Blotting**

**Image 2.** Western blot analysis in mouse NIH-3T3 cell line lysates (35ug/lane).




**Flow Cytometry**

**Image 3.** 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.