

Rabbit anti-Claudin-10

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Catalog Number: 388400

Store at 2 to 8°C (short-term), or -20°C (long-term)

Clonality: Polyclonal
Concentration: 0.25 mg/mL
Quantity: 100 µg
Volume: 400 µL

Host/Class: Rabbit
Reactivity: Rat and mouse

Product Description

Tight junctions are intercellular junctions that act as both the barrier (or gate), and the fence. The barrier function of tight junctions regulates the passage of ions, water, and various macromolecules through paracellular spaces. The fence function maintains cell polarity, thus, tight junctions work as a fence to prevent intermixing of molecules in the apical membrane with those in the lateral membrane. Tight junctions are comprised of the membrane proteins occludin, claudins, and JAMs. Claudins are responsible for the formation of tight junction strands and are connected with the actin cytoskeleton mediated by ZO-1. This antibody reacts with claudin-10 protein. On Western blots, it identifies a band at ~21 kDa. Bands of unknown origin are observed at ~75kDa, ~70kDa, ~35kDa and/or ~17kDa in some homogenates. Western blots using mouse brain homogenates produced a single band at ~21kDa.

Product Specifications

Immunogen: Synthetic peptide derived from the C-terminal region of human claudin-10
Clone/PAD: ZMD.402
Lot: See product label

Product Applications

| Application | Species | Test Material | Concentration |
|--------------------|---------|------------------------------|---------------|
| IHC | Mouse | Frozen kidney sections | 3–6 µg/mL |
| Immunofluorescence | Mouse | Frozen kidney sections | 3–6 µg/mL |
| Western Blotting | Mouse | Kidney and brain homogenates | 1–3 µg/mL |
| | Rat | Kidney | |

Storage and Handling

Store at 2 to 8°C for up to one month. Store at -20°C for long-term storage. Avoid repeated freezing and thawing.

Stability

When stored as instructed, expires one year from date of receipt unless otherwise indicated on product label.

Storage Buffer

Phosphate buffered saline (PBS), pH 7.4, containing 0.1% sodium azide.

Caution: Sodium azide is an extremely toxic and dangerous compound particularly when combined with acids or metals. Properly dispose of solutions containing sodium azide.

Safety Data Sheets (SDS)

Safety Data Sheets (SDSs) are available at www.lifetechnologies.com/support.

Certificate of Analysis

The Certificate of Analysis provides detailed quality control and product qualification information for each product. Certificates of Analysis are available on our website. Go to www.lifetechnologies.com/support and search for the Certificate of Analysis by product lot number, which is printed on the box.

For research use only. Not for use in diagnostic procedures.

Explanation of symbols

| Symbol | Description | Symbol | Description | Symbol | Description |
|---|------------------------------|---|---|---|-------------|
|  | Manufacturer |  | Catalog number |  | Batch code |
|  | Use by |  | Temperature limitation | | |
|  | Consult instructions for use |  | Caution, consult accompanying documents | | |

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