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## anti-Claudin 15 antibody (AA 101-180) (Biotin)



#### Overview

| Quantity:            | 100 μL   |
|----------------------|--|
| Target:              | Claudin 15 (CLDN15)                              |
| Binding Specificity: | AA 101-180                                       |
| Reactivity:          | Human  |
| Host:                | Rabbit   |
| Clonality:           | Polyclonal                                       |
| Conjugate:           | This Claudin 15 antibody is conjugated to Biotin |
| Application:         | Western Blotting (WB), ELISA                     |

#### **Product Details**

| Immunogen:        | KLH conjugated synthetic peptide derived from human Claudin 15 |
|-------------------|--|
| Isotype:          | IgG  |
| Cross-Reactivity: | Human  |
| Purification:     | Purified by Protein A.   |

### Target Details

| Target:           | Claudin 15 (CLDN15)   |
|-------------------|---|
| Alternative Name: | Claudin 15 (CLDN15 Products)  |
| Background:       | Synonyms: Claudin-15, CLD15_HUMAN, CLDN15.  |
|                   | Background: The claudin superfamily consists of many structurally related proteins in humans. |

#### **Target Details**

These proteins are important structural and functional components of tight junctions in paracellular transport. Claudins are located in both epithelial and endothelial cells in all tight junction-bearing tissues. Three classes of proteins are known to localize to tight junctions, including the claudins, Occludin and Junction adhesion molecules. Claudins, which consist of four transmembrane domains and two extracellular loops, make up tight junction strands. Claudin expression is often highly restricted to specfic regions of different tissues and may have an important role in transcellular transport through tight junctions. Claudin-15 is a 228 amino acid multi-pass membrane protein that belongs to the claudin family and plays an important role in cell-adhesion activity and tight junction-specific events.

Pathways:

Cell-Cell Junction Organization, Hepatitis C

#### **Application Details**

| Application Notes: | WB 1:300-5000  |
|--------------------|--|
| Restrictions:      | For Research Use only  |
| Handling           |  |
| Format:            | Liquid   |
| Concentration:     | 1 μg/μL  |
| Buffer:            | Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.         |
| Preservative:      | ProClin  |
| Precaution of Use: | This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only. |
| Storage:           | -20 °C   |
| Storage Comment:   | Store at -20°C for 12 months.  |
| Expiry Date:       | 12 months  |