

# Product Datasheet

## Claudin-18.2 Antibody (CLDN18.2/8141R) NBP3-23701-100ug

Unit Size: 100 ug

Store at 4C.

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**NBP3-23701-100ug**

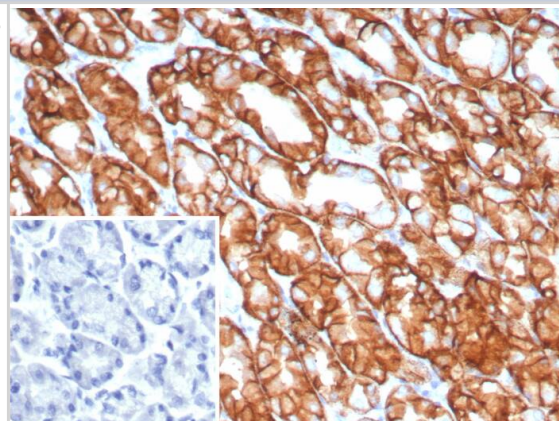
Claudin-18.2 Antibody (CLDN18.2/8141R)

| Product Information         |   |
|-----------------------------|---|
| Unit Size                   | 100 ug  |
| Concentration               | 0.2 mg/ml   |
| Storage                     | Store at 4C.  |
| Clonality                   | Monoclonal  |
| Clone                       | CLDN18.2/8141R  |
| Preservative                | 0.05% Sodium Azide  |
| Isotype                     | IgG Kappa   |
| Purity                      | Protein A or G purified   |
| Buffer                      | 10mM PBS with 0.05% BSA   |
| Product Description         |   |
| Description                 | Store at 2 to 8C. Non-hazardous. No MSDS required.  |
| Host                        | Rabbit  |
| Gene ID                     | 51208   |
| Gene Symbol                 | CLDN18  |
| Species                     | Human   |
| Specificity/Sensitivity     | The claudin superfamily consists of many structurally related proteins in humans. 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 molecule. Claudins, which consist of four transmembrane domains and two extracellular loops, make up tight junction strands. Emerging evidence suggests that the claudin family of proteins regulates transport through tight junctions via differential discrimination for solute size and charge. Claudin expression is often highly restricted to specific regions of different tissues and may have an important role in transcellular transport through tight junctions. |
| Immunogen                   | Recombinant fragment (around aa1-100) of human Claudin-18.2 protein (exact sequence is proprietary)   |
| Product Application Details |   |
| Applications                | Immunohistochemistry-Paraffin   |
| Recommended Dilutions       | Immunohistochemistry-Paraffin 1-2ug/ml  |
| Application Notes           | Immunohistochemistry-Paraffin: 1-2ug/ml for 30 minutes at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95C followed by cooling at RT for 20 minutes. Optimal dilution for a specific application should be determined.   |



## Images

Formalin-fixed, paraffin-embedded human stomach stained with Claudin-18.2 antibody (CLDN18.2/8141R). Inset: PBS instead of primary antibody; secondary only negative control.





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### **Products Related to NBP3-23701-100ug**

|                  |   |
|------------------|---|
| HAF008           | Goat anti-Rabbit IgG Secondary Antibody [HRP]       |
| NB7160           | Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP] |
| NB200-103        | p53 Antibody (PAb 240) - BSA Free                   |
| NBP2-15196-0.1mg | MUC5AC Antibody (45M1)                              |

### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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