# Recombinant Claudin18.2 Antibody

Rabbit Monoclonal Antibody [Clone CLDN18.2/13997R]

| Catalog No | Format | Size |
|---|---|---|
| 51208-RBM7-P0 | Purified Ab with BSA and Azide at 200ug/ml | 20 ug |
| 51208-RBM7-P1 | Purified Ab with BSA and Azide at 200ug/ml | 100 ug |
| 51208-RBM7-P1ABX | Purified Ab WITHOUT BSA or Azide at 1.0mg/ml | 100 ug |

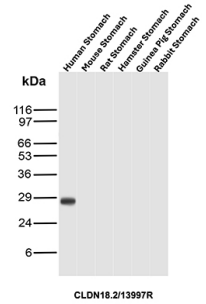
| Applications | Tested Dillution | Note |
|---|---|---|
| Immunohistochemistry (IHC) | 1-2ug/ml | 30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes |

## Product Details

| | |
|---|---|
| **Clone** | CLDN18.2/13997R |
| **Immunogen** | Recombinant fragment of the human Claudin 18.2 protein (exact sequence is proprietary) |
| **Host** | Rabbit |
| **Clonality** | Monoclonal |
| **Isotype / Light Chain** | IgG / Kappa |
| **Mol. Weight of Antigen** | 27.86kDa |
| **Cellular Localization** | Cell junction, Cell membrane, Lateral cell membrane, Tight junction |
| **Species Reactivity** | Human |
| **Positive Control** | Expression is restricted to the lung |

**Optimal dilution for a specific application should be determined.*

## Product Images for Recombinant Claudin18.2 Antibody




Western blot analysis of human stomach tissue lysates using CLDN18.2 Recombinant Rabbit Monoclonal Antibody (CLDN18.2/13997R).

## Specificity & Comments

Involved in alveolar fluid homeostasis via regulation of alveolar epithelial tight junction composition and therefore ion transport and solute permeability, potentially via downstream regulation of the actin cytoskeleton organization and beta-2-adrenergic signaling (By similarity). Required for lung alveolarization and maintenance of the paracellular alveolar epithelial barrier (By similarity). Acts to maintain epithelial progenitor cell proliferation and organ size, via regulation of YAP1 localization away from the nucleus and thereby restriction of YAP1 target gene transcription (By similarity). Acts as a negative regulator of RANKL-induced osteoclast differentiation, potentially via relocation of TJP2/ZO-2 away from the nucleus, subsequently involved in bone resorption in response to calcium deficiency (By similarity). Mediates the osteoprotective effects of estrogen, potentially via acting downstream of estrogen signaling independently of RANKL signaling pathways (By similarity)., Involved in the maintenance of homeostasis of the alveolar microenvironment via regulation of pH and subsequent T-cell activation in the alveolar space, is therefore indirectly involved in limiting C.neoformans infection., Required for the formation of the gastric paracellular barrier via its role in tight junction formation, thereby involved in the response to gastric acidification.

## Supplied As

200ug/ml of Ab produced in a mammalian-based expression system. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

## Storage and Stability

Antibody with azide - store at 2 to 8 °C. Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

## Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.