Recombinant Claudin18.2 Antibody

Rabbit Monoclonal Antibody [Clone CLDN18.2/8014R]

Catalog No	Format	Size
51208-RBM2-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
51208-RBM2-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
51208-RBM2-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

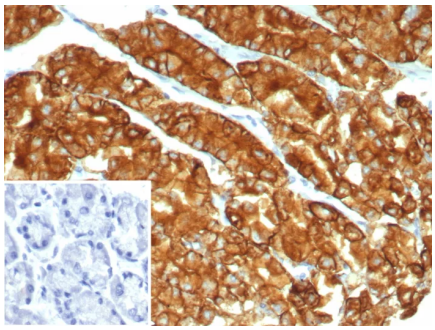
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes

Product Details

Clone	CLDN18.2/8014R
Gene Name	CLDN18
Immunogen	Recombinant fragment (around aa1-100) of human Claudin18.2 protein (exact sequence is proprietary)
Host	Rabbit
Clonality	Monoclonal
Isotype / Light Chain	IgG / Kappa
Mol. Weight of Antigen	27.8kDa
Cellular Localization	Cell junction, tight junction. Cell membrane.
Species Reactivity	Human
Positive Control	Concentrated at the cell-cell borders of epithelial cells.

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

Product Images for Recombinant Claudin18.2 Antibody



Formalin-fixed, paraffin-embedded human stomach stained with Claudin18.2 Recombinant Rabbit Monoclonal Antibody CLDN18.2/8014R). Inset: PBS instead of primary antibody; secondary only negative control.

Specificity & Comments

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 specfic regions of different tissues and may have an important role in transcellular transport through tight junctions.

Supplied As

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. 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.