Claudin18.2 Monoclonal Antibody

catalog number: AN200149P

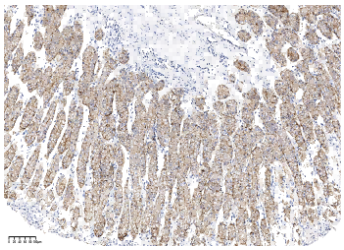
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

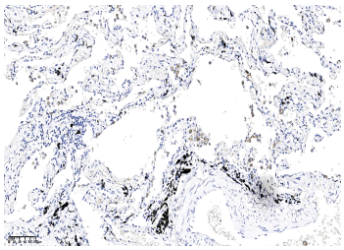
Reactivity	Human
Immunogen	Human Claudin18.2 mRNA
Host	Mouse
Isotype	IgG2a
Clone	10C12
Purification	Protein A
Buffer	0.2 μm filtered solution in PBS

Applications	Recommended Dilution
WB	1:500-1:2000
IHC-P	1:500-1:2000

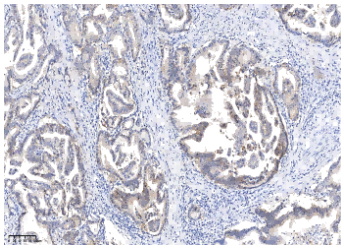
Data



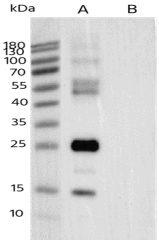
Immunohistochemistry of paraffin-embedded human stomach using Claudin18.2 Monoclonal Antibody at dilution of 1:1000.



Immunohistochemistry of paraffin-embedded human lung using Claudin18.2 Monoclonal Antibody at dilution of 1:1000.



Immunohistochemistry of paraffin-embedded human gastric cancer using Claudin18.2 Monoclonal Antibody at dilution of 1:1000.



Western Blot with Claudin18.2 Monoclonal Antibody at dilution of 1:1000. Lane A: Human Claudin18.2-VLP (Full Length) Protein 500ng, Lane B: Virus-Like Particle (VLP) isotype control Protein 500ng

Preparation & Storage

Storage	This antibody can be stored at 2℃-8℃ for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20℃ to -80℃. Preservative-Free. Avoid repeated freeze-thaw cycles.
Shipping	Ice bag

Background

This gene encodes a member of the claudin family. Claudins are integral membrane proteins and components of tight junction strands. Tight junction strands serve as a physical barrier to prevent solutes and water from passing freely through the paracellular space between epithelial or endothelial cell sheets, and also play critical roles in maintaining cell polarity and signal transductions. This gene is upregulated in patients with ulcerative colitis and highly overexpressed in infiltrating ductal adenocarcinomas. PKC/MAPK/AP-1 (protein kinase C/mitogen-activated protein kinase/activator protein-2) dependent pathway regulates the expression of this gene in gastric cells. Alternatively spliced transcript variants encoding different isoforms have been identified.

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