

Background

Recombinant Monoclonal Anti-Claudin-18.2 Antibody, Mouse (3B10) is a Claudin-18.2 primary antibody for IHC application. The Claudin-18.2 (CLDN 18.2) protein, an isoform of Claudin 18, a member of the tight junction protein family, is a highly selective biomarker with limited expression in normal tissues and often abnormal expression during the occurrence and development of various primary malignant tumors, such as gastric cancer/gastroesophageal junction (GC/GEJ) cancer, breast cancer, colon cancer, liver cancer, head and neck cancer, bronchial cancer and non-small-cell lung cancer. Claudin-18.2 participates in the proliferation, differentiation and migration of tumor cells. Recent studies have identified Claudin-18.2 expression as a potential specific marker for the diagnosis and treatment of these tumors.

Key parameter

Host Species	Mouse
Isotype	IgG
Clone	3B10
Application	IHC
Property	1: 1000
State	Liquid
Positive Control	Human Stomach Tissues
Clonality	Monoclonal
Research Field	Cancer Drug Targets
Source	Mouse
Synonym	Claudin18.2, CLDN 18.2

Experiment Protocol

LEICA Experiment Protocol(Manual)

Storage

Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle. The shelf life is 30 days from the date of opening.

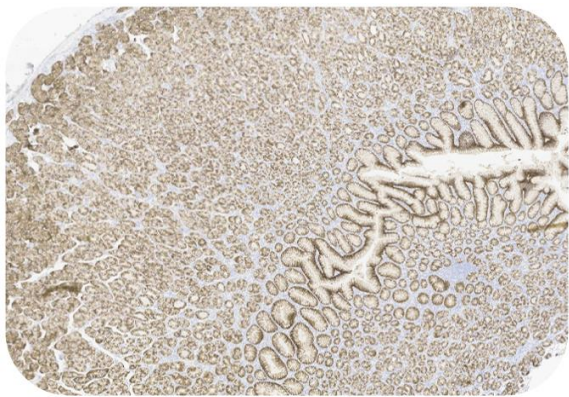
Typical Data

Control Sample

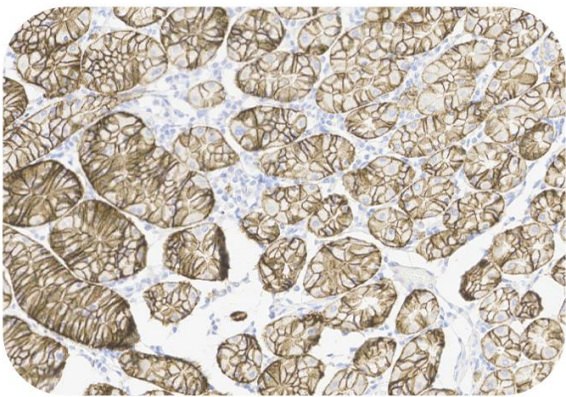


Recombinant Monoclonal Anti-Claudin-18.2 Antibody, Mouse (3B10)

Catalog # HCS-S278

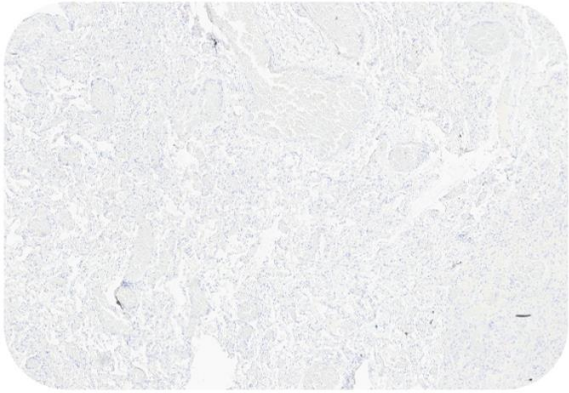


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) -Recombinant Monoclonal Anti-Claudin-18.2 Antibody, Mouse (3B10) (HCS-S278)
Human Stomach Tissue, 4X

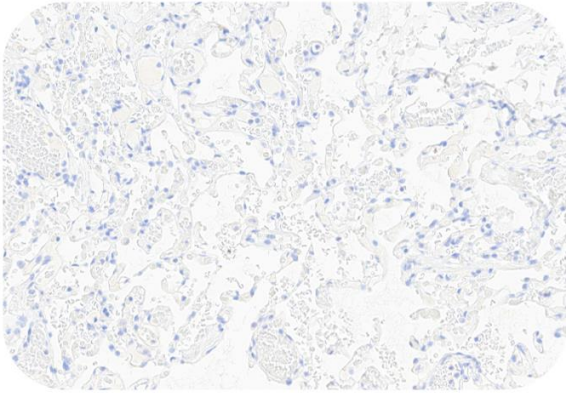


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) -Recombinant Monoclonal Anti-Claudin-18.2 Antibody, Mouse (3B10) (HCS-S278)
Human Stomach Tissue, 20X

Immunohistochemical analysis of paraffin embedded human stomach tissue labelled with HCS-S278 at 1/1000 dilution.
Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



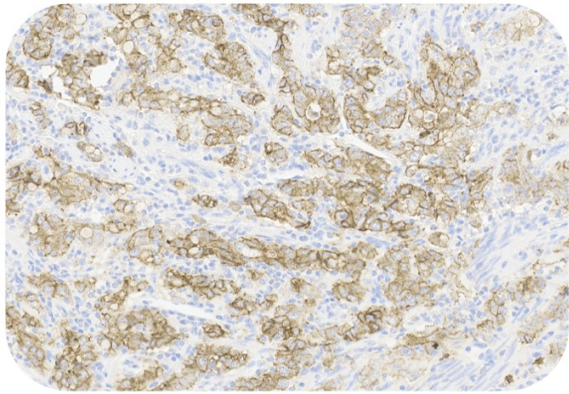
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) -Recombinant Monoclonal Anti-Claudin-18.2 Antibody, Mouse (3B10) (HCS-S278)
Human Lung Tissue, 4X



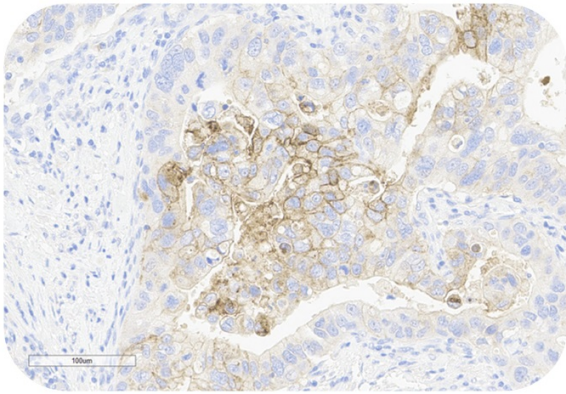
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) -Recombinant Monoclonal Anti-Claudin-18.2 Antibody, Mouse (3B10) (HCS-S278)
Human Lung Tissue, 20X

Immunohistochemical analysis of paraffin-embedded human lung tissue labeling Claudin-18.2 with HCS-S278 at 1/1000 dilution, followed by Goat Anti-Mouse IgG H&L (HRP) ready to use. The staining in the lung tissue sample was negative. Counter stained with Hematoxylin. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

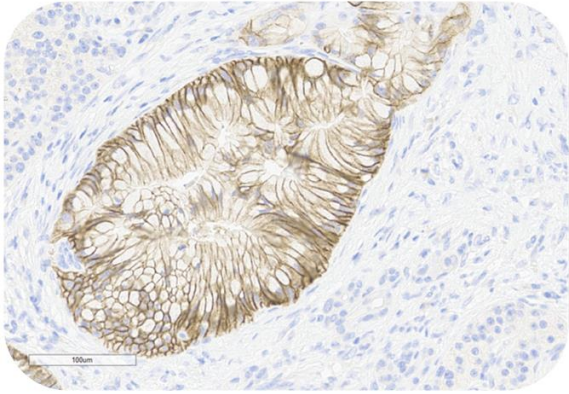
Cancer Sample



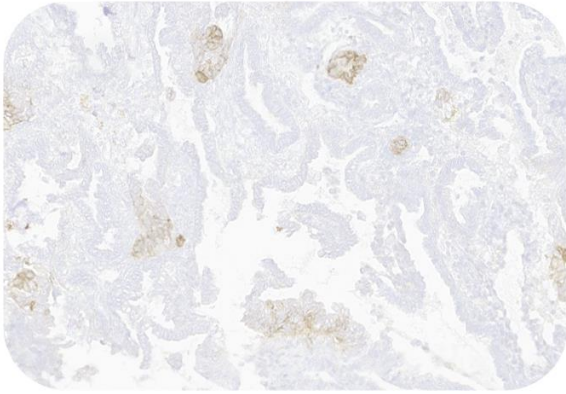
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) -Recombinant Monoclonal Anti-Claudin-18.2 Antibody, Mouse (3B10) (HCS-S278)
Human Gastric Cancer, 20X



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) -Recombinant Monoclonal Anti-Claudin-18.2 Antibody, Mouse (3B10) (HCS-S278)
Human Colorectal Cancer, 20X



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) -Recombinant Monoclonal Anti-Claudin-18.2 Antibody, Mouse (3B10) (HCS-S278)
Human Pancreatic Cancer, 20X



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) -Recombinant Monoclonal Anti-Claudin-18.2 Antibody, Mouse (3B10) (HCS-S278)
Human Ovarian Cancer, 20X



Recombinant Monoclonal Anti-Claudin-18.2 Antibody, Mouse (3B10)

Catalog # HCS-S278



Immunohistochemical analysis of paraffin-embedded human cancer tissue labeling Claudin-18.2 with HCS-S278 at 1/1000 dilution, followed by Goat Anti-Mouse IgG H&L (HRP) ready to use. Membranous staining on tumor cells is observed. Counter stained with Hematoxylin. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

