



Rabbit Anti-Human CLDN18.1 Polyclonal Antibody (CABT-Z510R)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Immunogen	Synthetic peptide within human claudin18 aa 28-80.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human, Mouse
Purification	Affinity Purified
Conjugate	Unconjugated
Applications	WB, FC Recommended dilution: WB: 1:500-1:1000 FC: 1:50-1:100
Molecular Weight	28 kDa
Positive Control	Human stomach tissue lysate, AGS cell lysate, F9.
Format	Liquid
Concentration	Lot specific
Size	100 µl
Buffer	1*PBS (pH7.4), 0.2% BSA, 50% Glycerol. Preservative: 0.05% Sodium Azide.
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Storage	Store at +4°C after thawing. Aliquot store at -20°C. Avoid repeated freeze / thaw cycles.
Ship	Wet ice

BACKGROUND

Introduction	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-1) dependent pathway regulates the expression of this gene in gastric cells. Alternatively spliced transcript variants encoding different isoforms have been identified.
Keywords	Claudin 18.1;Claudin-18;CLD18.1_HUMAN;CLDN18.1;SFTA5;SFTPJ