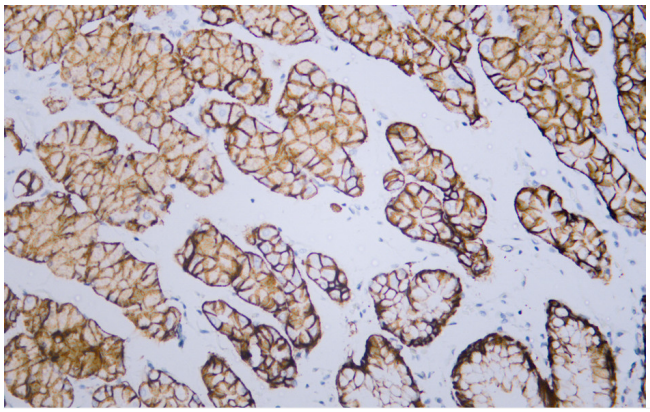
Claudin 18 mouse mAb(ABT158)

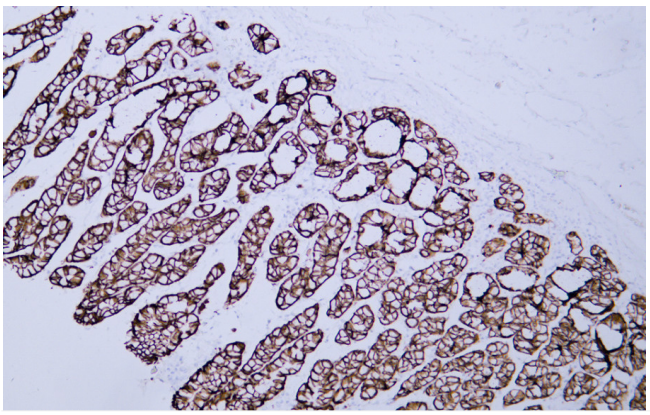
Catalog No	YP-Ab-15097
Isotype	IgG
Reactivity	Human
Applications	IHC;IF
Gene Name	CLDN18 UNQ778/PRO1572
Protein Name	Claudin 18
Immunogen	Synthesized peptide derived from human Claudin 18
Specificity	The antibody can specifically recognize both human Claudin 18.1 and Claudin 18.2 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.155% sodium azide.
Source	Mouse,Monoclonal
Purification	The antibody was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen.
Dilution	IHC-p 1:100-500, IF 1:100-500
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	Claudin-18
Observed Band	
Cell Pathway	Cell junction, tight junction . Cell membrane ; Multi-pass membrane protein . Localizes to tight junctions in epithelial cells. .
Tissue Specificity	Isoform A1: Expression is restricted to the lung (PubMed:19047087). Isoform A2: Expression is restricted to the stomach mucosa where it is predominantly observed in the epithelial cells of the pit region and the base of the gastric glands including exocrine and endocrine cells (at protein level) (PubMed:19047087).
Function	function:Plays a major role in tight junction-specific obliteration of the intercellular space, through calcium-independent cell-adhesion activity.,similarity:Belongs to the claudin family.,tissue specificity:Concentrated at the cell-cell borders of epithelial cells.,
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-1) dependent pathway regulates the expression of this gene in gastric cells. Alternatively spliced

	transcript variants encoding different isoforms have been identified. [provided by RefSeq, Jun 2010],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Human stomach tissue was stained with Anti-Claudin 18 (ABT158) Antibody



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