Best Tools for immunology Research

Claudin 18 (ABT158) Mouse mAb (Ready to Use)

Catalog No :	YM4323R
Reactivity :	Human;
Applications :	IHC
Target :	Claudin 18
Fields :	>>Cell adhesion molecules;>>Tight junction;>>Leukocyte transendothelial migration;>>Pathogenic Escherichia coli infection;>>Hepatitis C
Gene Name :	CLDN18 UNQ778/PRO1572
Protein Name :	Claudin 18
Human Gene Id :	51208
Human Swiss Prot No :	P56856
Immunogen :	Synthesized peptide derived from human Claudin 18 AA range: 150-261
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 0.02% sodium azide.
Source :	Mouse, Monoclonal/IgG1, Kappa
Dilution :	Ready to use for IHC
Purification :	The antibody was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen.
Storage Stability :	2°C to 8°C/1 year
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

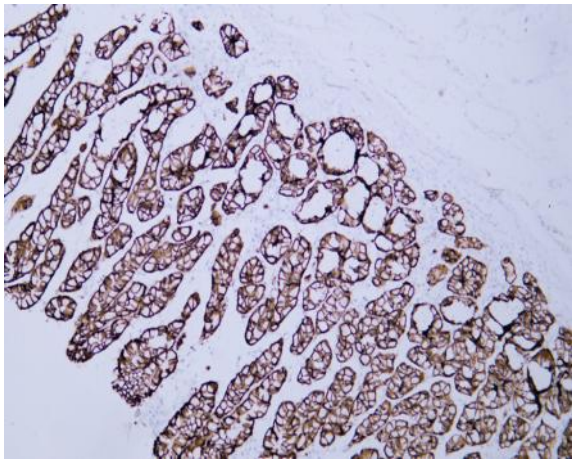
freely through the paracellular space between epithelial or endothelial cell sheets, and also play critical roles in maintaining cell polarity and signal transductions. This gene is upregulated in patients with ulcerative colitis and highly overexpressed in infiltrating ductal adenocarcinomas. PKC/MAPK/AP-1 (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],

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.,

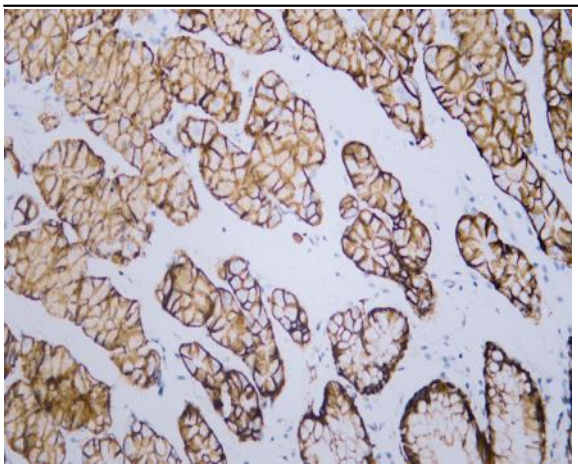
Subcellular Location : Membranous

Expression : 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).

Products Images



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



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