

Product datasheet for **TA594038**

Claudin18 (CLDN18) Rabbit Monoclonal Antibody [Clone ID: OTIR56A8]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTIR56A8
Applications:	IHC
Recommended Dilution:	IHC1:1000
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Monoclonal
Immunogen:	Human recombinant protein fragment of human Claudin18.2 (NP_001002026) produced in E.coli.
Formulation:	PBS (PH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	1.00mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Shipped at -20°C or with ice packs, Upon delivery store at -20°C. Dilute in PBS(pH7.3) if necessary. Stable for 12 months from date of receipt. Avoid repeated freeze-thaws.
Predicted Protein Size:	27.5 kDa
Gene Name:	claudin 18
Database Link:	Entrez Gene 51208 Human P56856



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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]

Synonyms:

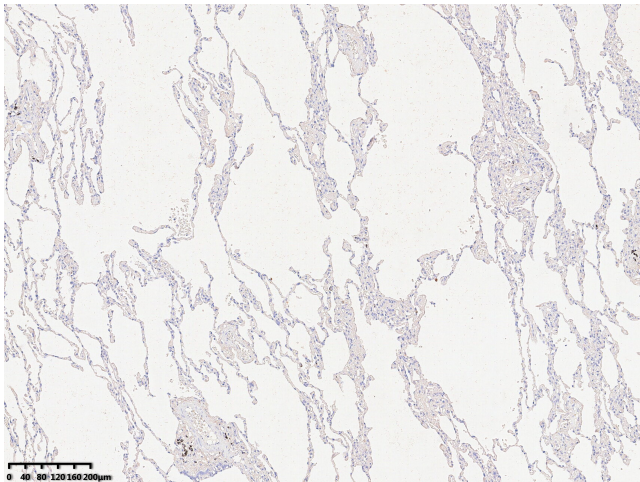
SFTA5; SFTPJ

Protein Families:

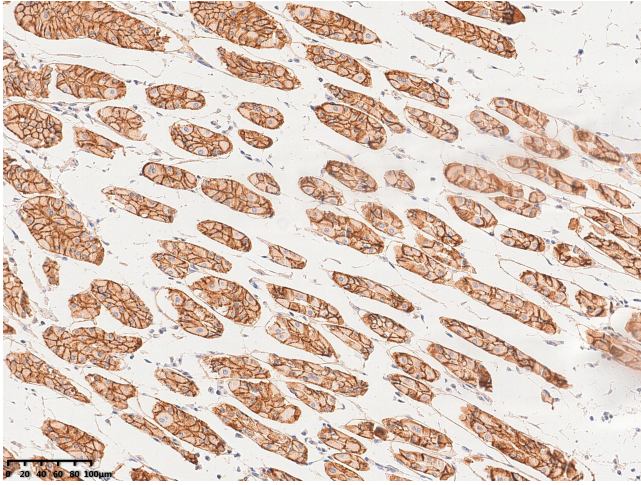
Transmembrane

Protein Pathways:

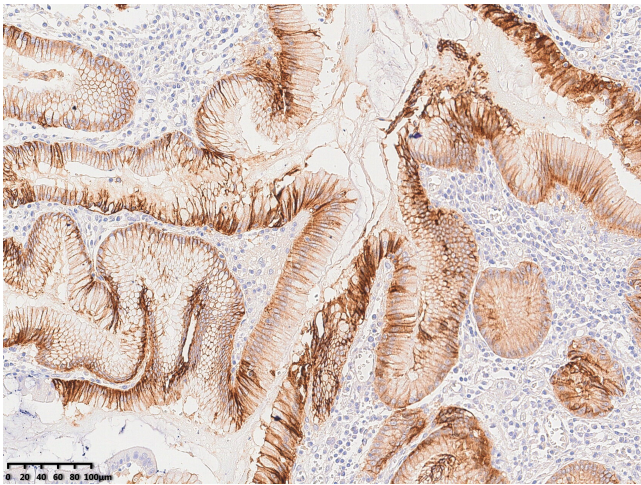
Cell adhesion molecules (CAMs), Leukocyte transendothelial migration, Tight junction

Product images:

IHC staining of FFPE human lung tissue with in the normal limits using anti-Claudin18.2(CLDN18.2) rabbit monoclonal antibody (TA594038) and Polink-2 HRP polymer detection kit ([D22-110]). Heat-induced epitope retrieval by EDTA solution buffer pH 9.0 ([B06C-50]) at 120°C for 3 min. The brown stain indicates positive stain, blue is the counter stain.



IHC staining of FFPE human gastric tissue with in the normal limits using anti-Claudin18.2(CLDN18.2) rabbit monoclonal antibody (TA594038) and Polink-2 HRP polymer detection kit ([D22-110]). Heat-induced epitope retrieval by EDTA solution buffer pH 9.0 ([B06C-50]) at 120°C for 3 min. The brown stain indicates positive stain, blue is the counter stain.



IHC staining of FFPE human gastric cancer tissue using anti-Claudin18.2(CLDN18.2) rabbit monoclonal antibody (TA594038) and Polink-2 HRP polymer detection kit ([D22-110]). Heat-induced epitope retrieval by EDTA solution buffer pH 9.0 ([B06C-50]) at 120°C for 3 min. The brown stain indicates positive stain, blue is the counter stain.