ARG66486
anti-Claudin 3 antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody recognizes Claudin 3
Tested Reactivity	Hu
Tested Application	IHC-P, WB
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1, kappa
Target Name	Claudin 3
Species	Human
Immunogen	Synthetic peptide derived from Human Claudin 3.
Conjugation	Un-conjugated
Alternate Names	CPE-R2; CPE-receptor 2; RVP1; HRVP1; CPE-R 2; CPETR2; hRVP1; C7orf1; Clostridium perfringens enterotoxin receptor 2; Rat ventral prostate.1 protein homolog; Claudin-3

Application Instructions

Application table

Application	Dilution
IHC-P	1:100 - 1:500
WB	1:500 - 1:2000

Application Note: IHC-P: Antigen Retrieval: Citric acid buffer (pH 6.0) was used.
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Observed Size: ~ 22 kDa

Properties

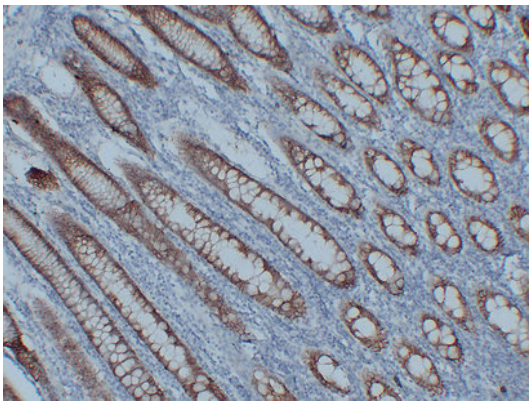
Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS, 0.02% Sodium azide, 50% Glycerol and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol and 0.5% BSA
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

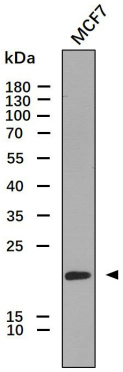
Gene Symbol	CLDN3
Gene Full Name	claudin 3
Background	Tight junctions represent one mode of cell-to-cell adhesion in epithelial or endothelial cell sheets, forming continuous seals around cells and serving as a physical barrier to prevent solutes and water from passing freely through the paracellular space. These junctions are comprised of sets of continuous networking strands in the outwardly facing cytoplasmic leaflet, with complementary grooves in the inwardly facing extracytoplasmic leaflet. The protein encoded by this intronless gene, a member of the claudin family, is an integral membrane protein and a component of tight junction strands. It is also a low-affinity receptor for Clostridium perfringens enterotoxin, and shares aa sequence similarity with a putative apoptosis-related protein found in rat. [provided by RefSeq, Jul 2008]
Function	Plays a major role in tight junction-specific obliteration of the intercellular space, through calcium-independent cell-adhesion activity. [UniProt]
Calculated Mw	23 kDa
Cellular Localization	Cell junction, tight junction. Cell membrane; Multi-pass membrane protein. [UniProt]

Images



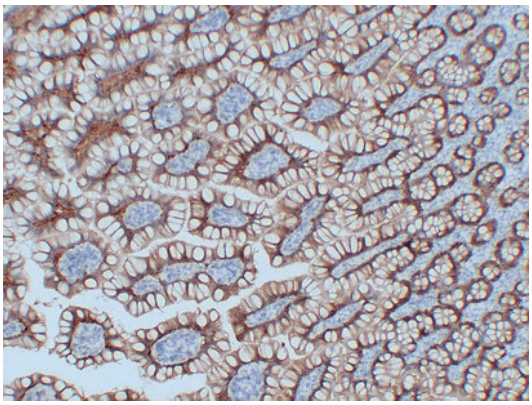
ARG66486 anti-Claudin 3 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human colon stained with ARG66486 anti-Claudin 3 antibody at 1:200 (4°C, overnight). Antigen Retrieval: Citric acid buffer (pH 6.0) was used.



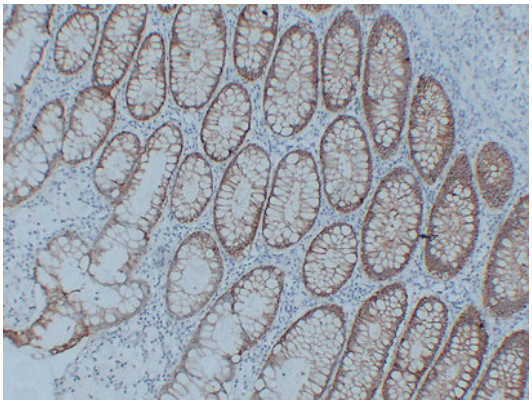
ARG66486 anti-Claudin 3 antibody WB image

Western blot: 30 µg of MCF7 whole cell lysate stained with ARG66486 anti-Claudin 3 antibody at 1:1000 dilution.



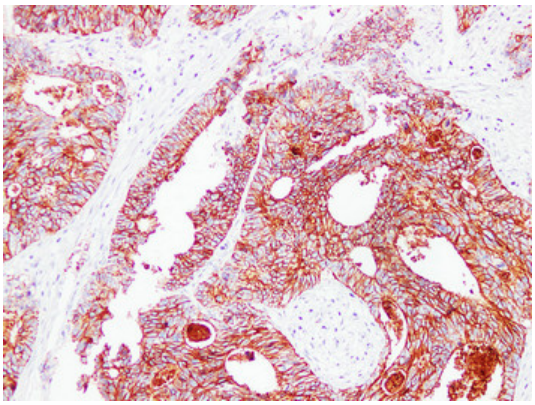
ARG66486 anti-Claudin 3 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human intestine stained with ARG66486 anti-Claudin 3 antibody at 1:200 (4°C, overnight). Antigen Retrieval: Citric acid buffer (pH 6.0) was used.



ARG66486 anti-Claudin 3 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human rectum stained with ARG66486 anti-Claudin 3 antibody at 1:200 (4°C, overnight). Antigen Retrieval: Citric acid buffer (pH 6.0) was used.



ARG66486 anti-Claudin 3 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human colon carcinoma stained with ARG66486 anti-Claudin 3 antibody at 1:200 (4°C, overnight). Antigen Retrieval: Citric acid buffer (pH 6.0) was used.