

Claudin 3 (ABT-CLD3) Mouse mAb

CatalogNo: YM4921 **Recombinant** 

Key Features

Host Species

- Mouse

Reactivity

- Human

Applications

- IHC, WB, IF, ELISA

MW

- 23kD (Calculated)
20kD (Observed)

Isotype

- Mouse IgG1/Kappa

Storage

Storage*

-15°C to -25°C/1 year(Do not lower than -25°C)

Formulation

PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA

Recommended Dilution Ratios

IHC 1:200-1000**WB 1:500-2000****IF 1:100-500****ELISA 1:1000-5000**

Basic Information

Clonality

Monoclonal

Clone Number

ABT-CLD3

Immunogen Information

Immunogen

Synthesized peptide derived from human Claudin 3 AA range: 150-220

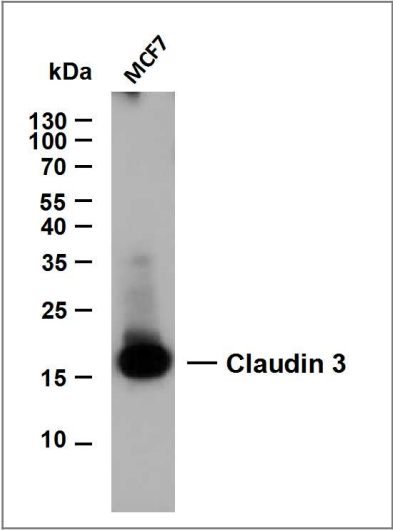
Specificity

This antibody detects endogenous levels of Claudin 3 protein.

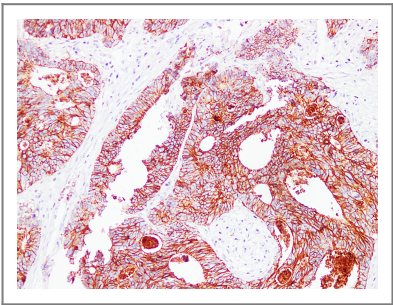
Target Information

Gene name	CLDN3 C7orf1 CPETR2		
Protein Name	Claudin-3 (Clostridium perfringens enterotoxin receptor 2) (CPE-R 2) (CPE-receptor 2) (Rat ventral prostate.1 protein homolog) (hRVP1)		
	Organism	Gene ID	UniProt ID
	Human	1365 ;	O15551 ;
Cellular Localization	Membranous		
Tissue specificity	Colon,Salivary gland,		
Function	Disease:Haploinsufficiency of CLDN3 may be the cause of certain cardiovascular and musculo-skeletal abnormalities observed in Williams-Beuren syndrome (WBS), a rare developmental disorder. It is a contiguous gene deletion syndrome involving genes from chromosome band 7q11.23.,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.,subunit:Can form homo- and heteropolymers with other CLDN. Homopolymers interact with CLDN1 and CLDN2 homopolymers. Directly interacts with TJP1/ZO-1, TJP2/ZO-2 and TJP3/ZO-3.,		

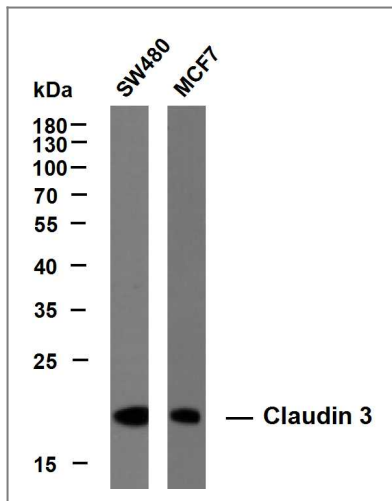
Validation Data



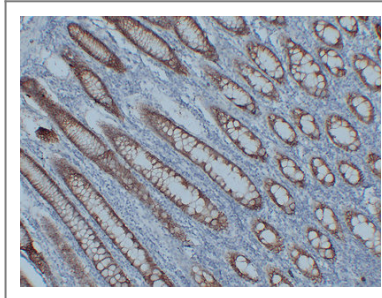
Whole cell lysates were separated by 12% SDS-PAGE, and the membrane was blotted with anti-Claudin 3 (ABT-CLD3)antibody. The HRP-conjugated Goat anti-Mouse IgG (H + L) antibody was used to detect the antibody. Lane 1: MCF7



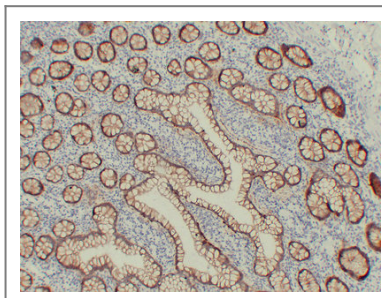
Human colon carcinoma tissue was stained with Anti-Claudin 3 (ABT-CLD3) Antibody



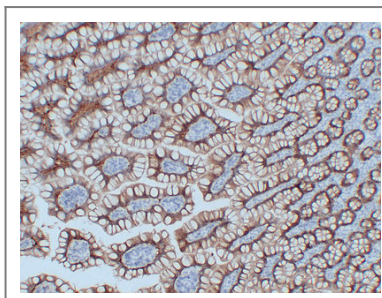
Various whole cell lysates were separated by 12% SDS-PAGE, and the membrane was blotted with anti-Claudin 3 (ABT-CLD3) antibody. The HRP-conjugated Goat anti-Mouse IgG (H + L) antibody was used to detect the antibody. Lane 1: SW480 Lane 2: MCF7



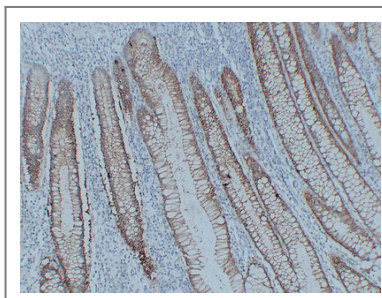
Immunohistochemical analysis of paraffin-embedded Colon. 1, Antibody was diluted at 1:200 (4°C overnight). 2, Citric acid ,pH6.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200 (room temperature, 30min).



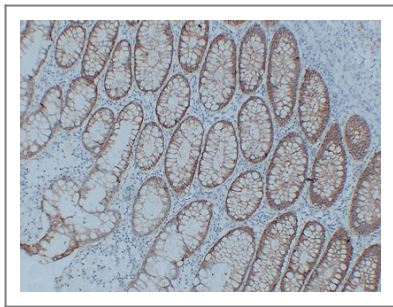
Immunohistochemical analysis of paraffin-embedded Intestine. 1, Antibody was diluted at 1:200 (4°C overnight). 2, Citric acid ,pH6.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200 (room temperature, 30min).



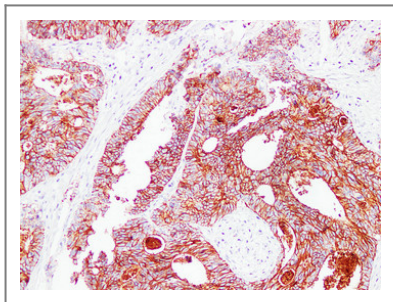
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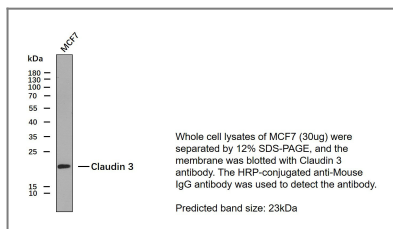
Immunohistochemical analysis of paraffin-embedded Rectum. 1, Antibody was diluted at 1:200 (4°C overnight). 2, Citric acid ,pH6.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200 (room temperature, 30min).



Immunohistochemical analysis of paraffin-embedded Rectum. 1, Antibody was diluted at 1:200 (4°C overnight). 2, Citric acid ,pH6.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200 (room temperature, 30min).



Immunohistochemical analysis of paraffin-embedded Colon carcinoma. 1, Antibody was diluted at 1:200 (4°C overnight). 2, Citric acid ,pH6.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200 (room temperature, 30min).



Western blot analysis of Claudin 3 Antibody at 1:1000 dilution.

Contact information

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Please scan the QR code to access additional product information:
Claudin 3 (ABT-CLD3) Mouse mAb

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