Claudin 3 (PT0850R) PT® Rabbit mAb

CatalogNo: YM8619 Recombinant

Key Features

Host Species
- Rabbit

Reactivity
- Human,Mouse,Rat

Applications
- WB,IHC,IF,IP,ELISA

MW
- 23kD (Calculated)

20kD (Observed)

Isotype
- IgG,Kappa

Recommended Dilution Ratios

IHC 1:200-1:1000
WB 1:2000-1:10000
IF 1:200-1:1000
ELISA 1:5000-1:20000
IP 1:50-1:200

Storage

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

Basic Information

Clonality	Monoclonal
Clone Number	PT0850R

Immunogen Information

Specificity	Endogenous

Target Information

Gene name CLDN3 C7orf1 CPETR2

Protein Name C7orf1;Claudin-3;Claudin3;CLD3_HUMAN;CLDN 3;Cldn3;Clostridium perfringens enterotoxin receptor 2;CPE R2;CPE receptor 2;CPE-R 2;CPE-receptor 2;CPETR 2;CPETR2;HRVP 1;HRVP1;Rat ventral prostate 1 like protein;Rat ventral prostate.1 protein homolog;RVP1;Ventral prostate.1 like protein;Ventral prostate.1 protein homolog

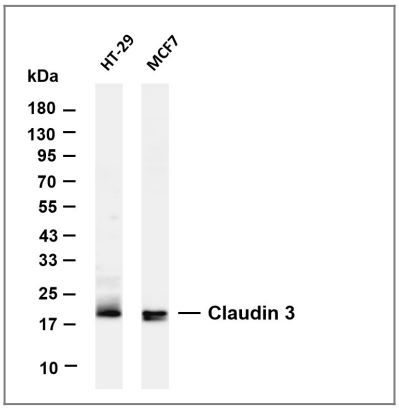
Organism	Gene ID	UniProt ID
Human	1365;	O15551;
Mouse		Q9Z0G9;
Rat		Q63400;

Cellular Localization Membranous

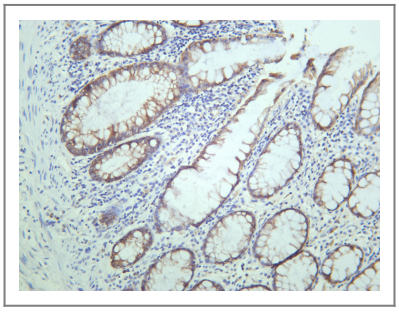
Tissue specificity Colon/ Appendix

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.,

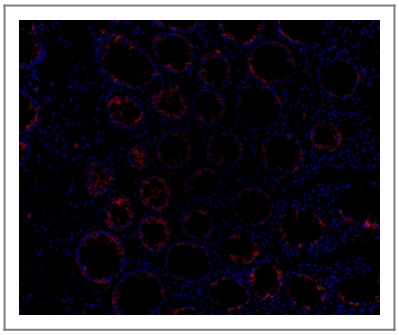
Validation Data



Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-Claudin 3 antibody. The HRP-conjugated Goat anti-Rabbit IgG(H + L) antibody was used to detect the antibody. Lane 1: HT-29 Lane 2: MCF7 Predicted band size: 23kDa Observed band size: 20kDa



Human colon was stained with anti-Claudin 3 rabbit antibody



Immunofluorescence analysis of Human colon

Contact information

Orders:	order@immunoway.com
Support:	tech@immunoway.com
Telephone:	877-594-3616 (Toll Free), 408-747-0185
Website:	http://www.immunoway.com
Address:	2200 Ringwood Ave San Jose, CA 95131 USA

Please scan the QR code to access additional product information:
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