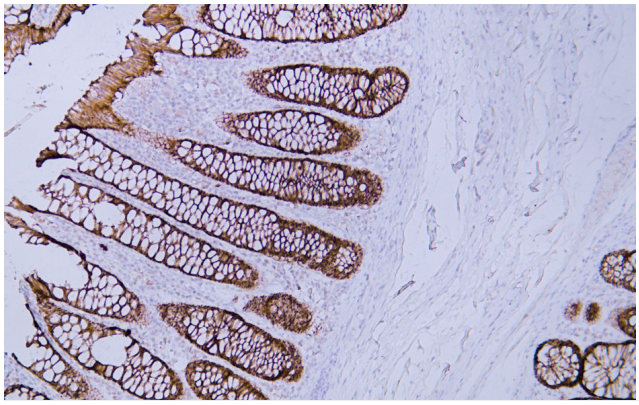
Claudin 3 (ABT509) Mouse mAb

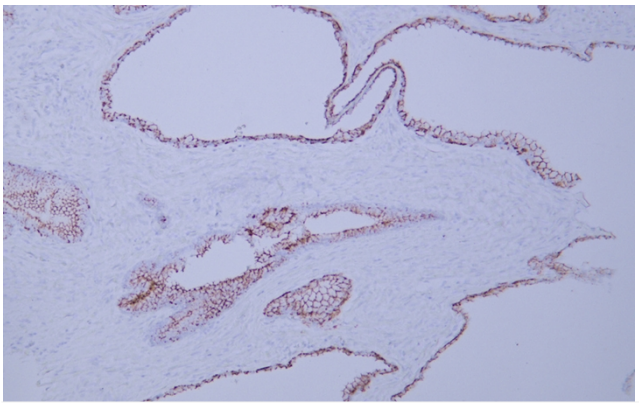
Catalog No	BYab-31337
Isotype	IgG
Reactivity	Human; Predict react with Mouse, Rat
Applications	IHC;WB;
Gene Name	CLDN3 C7orf1 CPETR2
Protein Name	C7orf1;Claudin-3;Claudin3;CLD3_HUMAN;CLDN 3;Cldn3;Clostridium perfringens enterotoxin receptor 2;CPE R2;CPE receptor 2;CPE-R 2;CPE-receptor 2;CPETR 2;CPETR2;HRVP 1;HRVP1;Rat ventral prostate 1 like pr
Immunogen	Synthesized peptide derived from human Claudin 3
Specificity	The antibody can specifically recognize human Claudin 3 protein.
Formulation	PBS, pH7.2, 0.03% Porcolin 300, containing stabilizing protein
Source	Monoclonal Mouse IgG2b, kappa
Purification	The antibody was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen.
Dilution	IHC-p 1:200-400, WB 1:200-1000,
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	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
Observed Band	
Cell Pathway	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.,
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],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

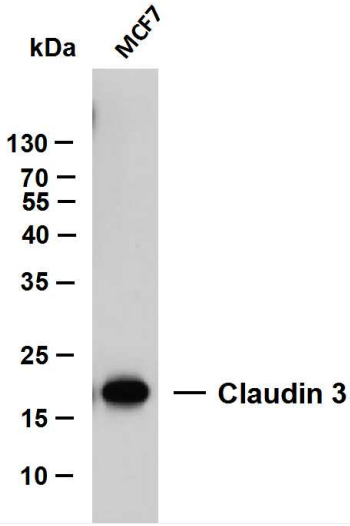
Products Images



Human colon tissue was stained with Anti-Claudin 3 (ABT509) Antibody



Human prostate tissue was stained with Anti-Claudin 3 (ABT509) Antibody



MCF7 whole cell lysates were separated by 12% SDS-PAGE, and the membrane was blotted with anti-Claudin 3(ABT509) antibody. The HRP-conjugated Goat anti-Mouse IgG(H + L) antibody was used to detect the antibody. Lane 1: MCF7 Predicted band size: 23kDa Observed band size: 22kDa