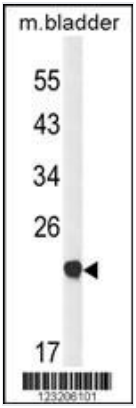
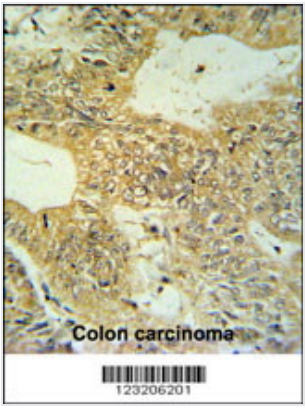
CLDN23 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	CLDN23, Polyclonal Antibody
Full Product Name	CLDN23, CT (CLDN23, Claudin-23) (APC)
Product Gene Name	anti-CLDN23 antibody
Product Synonym Names	CLDN23; Claudin-23
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Allophycocyanin (APC).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: APC conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	31,915 Da
3D Structure	ModBase 3D Structure for Q96B33
Immunogen	CLDN23 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 235~265 amino acids from the C-terminal region of human CLDN23.
Conjugate	APC
Note	Preservative Free
Special Handling	Light sensitive
Product Categories/Family for anti-CLDN23 antibody	Antibodies; Claudin
Applications Tested/Suitable for anti-CLDN23 antibody	Immunohistochemistry (IHC), FLISA, Western Blot (WB)
Application Notes for anti-CLDN23 antibody	IHC: 1:50-100 FLISA: 1:1,000 WB: 1:100-500 Applications are based on unconjugated antibody.
Related Product Information for anti-CLDN23 antibody	CLDN23 is a four-transmembrane protein with WWCC motif, defined by W-X(17-22)-W-X(2)-C-X(8-10)-C. It is a candidate tumor suppressor gene implicated in intestinal-type gastric cancer.
Product References and Citations for anti-CLDN23 antibody	Rikova, K., et al. Cell 131(6):1190-1203(2007). Ballana, E., et al. BMC Med. Genet. 8, 81 (2007): Katoh, M., et al. Int. J. Mol. Med. 11(6):683-689(2003). Venter, J.C., et al. Science 291(5507):1304-1351(2001).
Other Notes	Small volumes of anti-CLDN23 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for CLDN23 purchase	MBS6286493 is an antibody targeting CLDN23. Also known as CLDN23, CT (CLDN23, Claudin-23) (APC). Reactive in Human, Mouse. Host: Rabbit.



Western Blot (WB) of anti-CLDN23 antibody
Western blot analysis of CLDN23 Antibody (C-term) in mouse bladder tissue lysates (35ug/lane). CLDN23 (arrow) was detected using the purified Pab.



Immunohistochemistry (IHC) of anti-CLDN23 antibody
CLDN23 Antibody (C-term) IHC analysis in formalin fixed and paraffin embedded colon carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the CLDN23 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CLDN23. It may not necessarily be applicable to this product.

NCBI GI #	124107616
NCBI GeneID	137075
NCBI Accession #	NP_919260.2
UniProt Primary Accession #	Q96B33
UniProt Secondary Accession #	Q08AJ3
UniProt Related Accession #	Q96B33
GenBank Nucleotide #	NM_194284.2
NCBI Official Full Name	claudin-23
NCBI Official Synonym Full Names	claudin 23
NCBI Official Symbol	CLDN23
NCBI Official Synonym Symbols	CLDNL; hCG1646163
UniProt Protein Name	Claudin-23
Protein Family	Claudin
UniProt Gene Name	CLDN23
NCBI Protein Information	claudin-23
NCBI Summary for CLDN23	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 expressed in germinal center B-cells, placenta and stomach as well as in colon tumor. This gene is down-regulated in intestinal type gastric cancer. [provided by RefSeq, Aug 2010]
UniProt Comments for CLDN23	Plays a major role in tight junction-specific obliteration of the intercellular space, through calcium-independent cell-adhesion activity.
Research Articles on CLDN23	**1.** The expression of claudin-11, -23 was remarkably downregulated in gastric cancer.

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