

Mouse Claudin-2 Monoclonal Antibody | anti-CLDN2 antibody

Claudin-2 (8H11) Mouse mAb

CATALOG # AAA276917	HOST Mouse	REACTIVITY Human, Rat, Mouse	APPLICATIONS Immunohistochemistry, Western Blot
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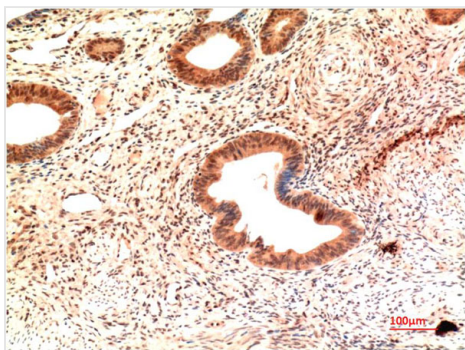
PRODUCT SYNONYMS

Claudin-2; Monoclonal Antibody; Claudin-2 (8H11) Mouse mAb; anti-CLDN2 antibody

PRODUCT SPECIFICATIONS

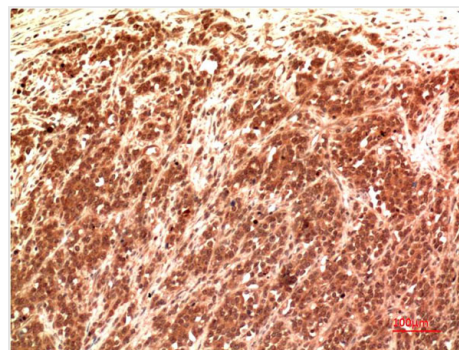
Host	Mouse
Reactivity	Human, Rat, Mouse
Clonality	Monoclonal
Isotype	IgG1
Form/Format	PBS with 0.02% sodium azide and 50% glycerol pH7.4.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-CLDN2 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Species	Human
Immunogen	Synthetic Peptide
Preparation and Storage	Store at -20 degree C. Avoid repeated freeze-thaw cycles.

IMAGES



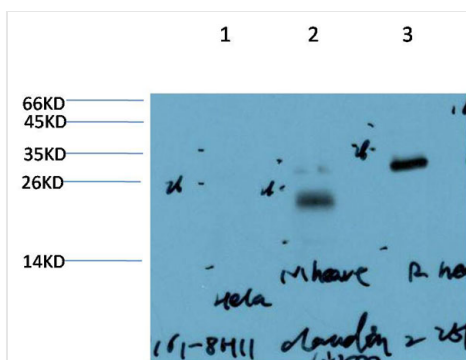
IHC (Immunohistochemisry)

Immunohistochemical analysis of paraffin-embedded Human Endometrial Carcinoma Tissue using Claudin-2 (EM1403)Mouse mAb diluted at 1:200.



IHC (Immunohiostchemistry)

Immunohistochemical analysis of paraffin-embedded Human Kidney Carcinoma Tissue using Claudin-2 (EM1403)Mouse mAb diluted at 1:200.



WB (Western Blot)

Western blot analysis of 1) Hela Cell Lysate, 2) Mouse Heart Tissue Lysate, 3) Rat Heart Tissue Lysate using Claudin-2 (EM1403) Mouse mAb diluted at 1:2000.

ADDITIONAL INFORMATION

Related Product Information for anti-CLDN2 antibody	The claudin family is composed of 23 integral membrane proteins, and their expression, which varies among tissue types, may determine both the strength and properties of the epithelial barrier. Alteration in claudin protein expression pattern is associated with several types of cancer. Claudin-2 is expressed primarily in the proximal tubule of the normal mammalian kidney, where it regulates transepithelial ion (e.g., Na ⁺ , Cl ⁻) reabsorption. Increased expression of Claudin-2 has been reported in some cancer cell lines, including A549 lung adenocarcinoma cells, where its nuclear distribution was positively associated with enhanced proliferation.
Product Categories/Family for anti-CLDN2 antibody	Cell junction; tight junction; Cell membrane

NCBI AND UNIPROT INFORMATION

NCBI GI #	283806628
NCBI GeneID	9075
NCBI Accession #	NP_001164563.1
NCBI GenBank Nucleotide #	NM_001171092.1
UniProt Accession #	P57739; B2R6B9
Molecular Weight	24,549 Da
NCBI Official Full Name	claudin-2
NCBI Official Synonym Full Names	claudin 2
NCBI Official Symbol	CLDN2
NCBI Protein Information	claudin-2; SP82
UniProt Protein Name	Claudin-2
UniProt Gene Name	CLDN2
UniProt Entry Name	CLD2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/claudin-2-antibody-immunohistochemistry-western-blot-elisa/276917>