

Mouse Claudin 7 Monoclonal Antibody | anti-CLDN7 antibody

Claudin 7 (ABT-CLD7) Mouse mAb

CATALOG # AAA268575	HOST Mouse	REACTIVITY Human, Mouse, Rat	APPLICATIONS ELISA, Immunofluorescence, Western Blot, Immunohistochemistry
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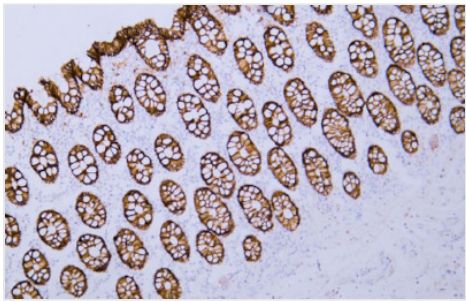
PRODUCT SYNONYMS

Claudin 7; Monoclonal Antibody; Claudin 7 (ABT-CLD7) Mouse mAb; CLDN-7; CEPTRL2; CPETRL2; Hs.84359; claudin-1; anti-CLDN7 antibody

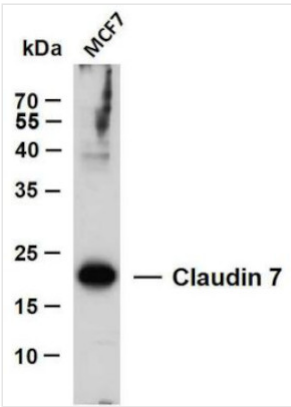
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Isotype	IgG2a, kappa
Specificity	The antibody can specifically recognize human Claudin 7 protein. In Western blotting of LnCap cell lysate, the antibody can label a 22 kDa band corresponding to Claudin 7.
Purity/Purification	Purification Method: Protein G
Form/Format	PBS, 50% glycerol, 0.05% Proclin 300, 0.05% BSA
Sequence Length	211
Applicable Applications for anti-CLDN7 antibody	ELISA, IF (Immunofluorescence), WB (Western Blot), IHC (Immunohistochemistry)
Immunogen	Synthesized peptide derived from human Claudin 7
AA Range	100-211
Subcellular Location	Membranous
Expression	kindey
Function	Plays a major role in tight junction-specific obliteration of the intercellular space.,induction:By androgens.,similarity:Belongs to the claudin family.,subunit:Directly interacts with TJP1/ZO-1, TJP2/ZO-2 and TJP3/ZO-3.,tissue specificity:Expressed in kidney, lung and prostate. Isoform 1 seems to be predominant, except in some normal prostate samples, where isoform 2 is the major form. Down-regulated in breast cancers, including ductal carcinoma in situ (DCIS), lobular carcinoma in situ (LCIS) and invasive ductal carcinoma (IDC) (at protein level), as well as in several cancer cell lines. Loss of expression correlates with histological grade, occurring predominantly in high-grade lesions.
Preparation and Storage	Store at -15 degrees C to -25 degrees C/1 year(Do not lower than -25 degrees C)

IMAGES



IHC (Immunohiostchemistry)
Human colon tissue was stained with Anti-Claudin 7 Antibody.



SDS-PAGE
MCF7 whole cell lysates were separated by 12% SDS-PAGE, and the membrane was blotted with anti-Claudin 7 antibody. The HRP-conjugated Goat anti-Mouse IgG(H + L) antibody was used to detect the antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-CLDN7 antibody	Background:Claudin 7 is a 22 kDa membrane protein, belonging to the tight junction protein family.Claudin family proteins play an important role in cell polarity, signal transduction and the pathogenesis of a variety of malignant tumors. It has been reported that compared with non neoplastic mucosal tissues,the expression of claudin 7 in laryngeal squamous cell carcinoma is down-regulated, and the expression level is related to distant metastasis, which can be used as a potential predictor of poor prognosis.Therefore, claudin 7 may be a useful immunohistochemical marker for the identification, metastasis and prognosis of laryngeal cancer.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	297206811
NCBI GeneID	1366
NCBI Accession #	NP_001171951.1
NCBI GenBank Nucleotide #	NP_001171951.1
UniProt Accession #	O95471
Molecular Weight	Molecular Weight(Da):22kD Observed Band(KD):22kD
NCBI Official Full Name	claudin-7 isoform 1
NCBI Official Synonym Full Names	claudin 7
NCBI Official Symbol	CLDN7
NCBI Official Synonym Symbols	CLDN-7; CEPTRL2; CPETRL2; Hs.84359; claudin-1
NCBI Protein Information	claudin-7
UniProt Protein Name	Claudin-7
UniProt Gene Name	CLDN7
UniProt Synonym Gene Names	CEPTRL2; CPETRL2; CLDN-7
UniProt Entry Name	CLD7_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.

