

Rabbit anti-Human Claudin-3 Polyclonal Antibody | anti-CLDN3 antibody

Anti-Claudin-3 Antibody, Rabbit Polyclonal

CATALOG # AAA254400	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry
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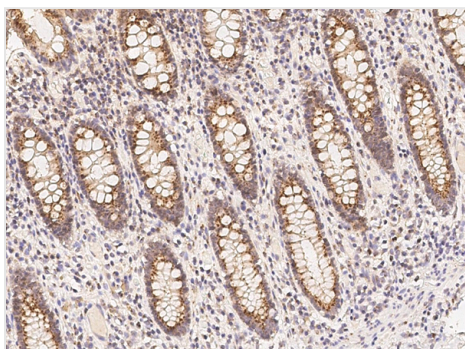
PRODUCT SYNONYMS

Claudin-3; Polyclonal Antibody; Anti-Claudin-3 Antibody; Rabbit Polyclonal; Claudin 3 Antibody; Rabbit PAb; Antigen Affinity Purified; claudin 3; Anti-C7orf1 Antibody; Anti-CPE-R2 Antibody; Anti-CPETR2 Antibody; Anti-HRVP1 Antibody; Anti-RVP1 Antibody; anti-CLDN3 antibody

PRODUCT SPECIFICATIONS

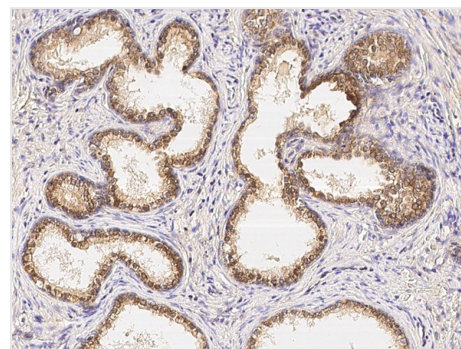
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human Claudin 3
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-CLDN3 antibody	IHC (Immunohistochemistry)
Immunogen	A synthetic peptide corresponding to the center region of the Human Claudin 3
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with a synthetic peptide corresponding to the center region of the Human Claudin 3, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Immunochemical staining of human CLDN3 in human small intestine with rabbit polyclonal antibody (1:300, formalin-fixed paraffin embedded sections).



IHC (Immunohistochemistry)

Immunochemical staining of human CLDN3 in human prostate with rabbit polyclonal antibody (1:300, formalin-fixed paraffin embedded sections).

ADDITIONAL INFORMATION

Related Product Information for anti-CLDN3 antibody	Claudins (CLDNs) are transmembrane proteins, as normal constituents of the architecture of tight junctions. Recent studies support their involvement in carcinogenesis, as changes in CLDNs structure result in alterations in tight junctions' structure and function, facilitating malignant transformation. We aimed CLDN3 investigation in both breast and ovarian carcinoma, targeting the identification of its expression differences. Hepatocellular carcinoma (HCC) is one of the most common fatal malignancies but the molecular genetic basis of this disease remains unclear. By using genome-wide methylation profiling analysis, we identified CLDN3 as an epigenetically regulated gene in cancer. CLDN3 is an epigenetically silenced metastasis suppressor gene in HCC. A better understanding of the molecular mechanism of CLDN3 in inhibiting liver cancer cell metastasis may lead to a more effective management of HCC patients with the inactivation of CLDN3. CLDN3 expression in ovarian cancer cells, as well as a mechanism for the silencing of this promoter in tumors lacking expression of claudin-3.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4502875
NCBI GeneID	1365
NCBI Accession #	NP_001297.1
NCBI GenBank Nucleotide #	NM_001306.3
UniProt Accession #	O15551
Molecular Weight	23,319 Da
NCBI Official Full Name	claudin-3
NCBI Official Synonym Full Names	claudin 3
NCBI Official Symbol	CLDN3
NCBI Official Synonym Symbols	RVP1; HRVP1; C7orf1; CPE-R2; CPETR2
NCBI Protein Information	claudin-3; CPE-R 2; CPE-receptor 2; ventral prostate.1-like protein; ventral prostate.1 protein homolog; Clostridium perfringens enterotoxin receptor 2
UniProt Protein Name	Claudin-3
UniProt Gene Name	CLDN3
UniProt Synonym Gene Names	C7orf1; CPETR2; CPE-R 2; CPE-receptor 2; hRVP1
UniProt Entry Name	CLD3_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/polyclonal/claudin-3-antibody-immunohistochemistry-elisa/254400>