

Rabbit Claudin 3 Polyclonal Antibody | anti-CLDN3 antibody

Claudin 3 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA320777	Rabbit	Human, Mouse, Rat Predicted: Guinea Pig	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

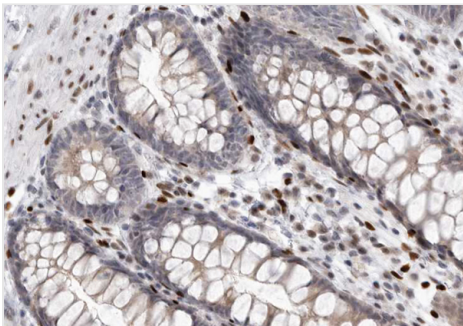
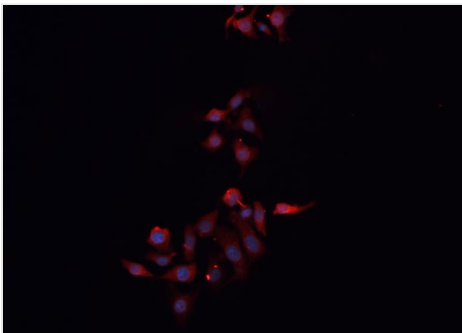
PRODUCT SYNONYMS

Claudin 3; Polyclonal Antibody; Claudin 3 Antibody; 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; anti-CLDN3 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat Predicted: Guinea Pig
Clonality	Polyclonal
Isotype	IgG
Specificity	Claudin 3 antibody detects endogenous levels of total Claudin 3
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	220
Applicable Applications for anti-CLDN3 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human Claudin 3
Subcellular Location	Cell Junction > Tight Junction. Cell Membrane.
Predicted Cross Reactivity	Pig, Bovine, Sheep, Dog, Xenopus
Similarity	Pig (88%), Bovine (88%), Sheep (88%), Dog (88%), Xenopus (88%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES

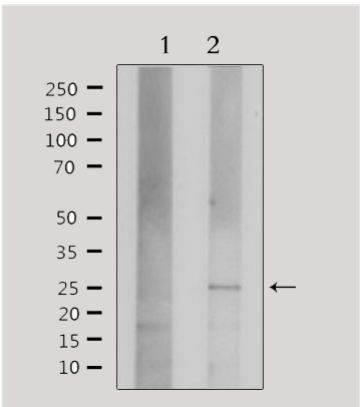


IF (Immunofluorescence)

AAA320777 staining MCF-7 cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.

IHC (Immunohistochemisry)

AAA320777 at 1/200 staining human colon tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)

Western blot analysis of extracts from HepG2, using Claudin 3 Antibody. Lane 1 was treated with the antigen-specific peptide.



WB (Western Blot)

Western blot analysis on COLO205 cell lysate using Claudin 3 Antibody

ADDITIONAL INFORMATION

Related Product Information for anti-CLDN3 antibody	Description: Claudin 3 Plays a major role in tight junction-specific obliteration of the intercellular space, through calcium-independent cell-adhesion activity. Belongs to the claudin family. 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. Function: Plays a major role in tight junction-specific obliteration of the intercellular space, through calcium-independent cell-adhesion activity. Subunit Structure: 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 (By similarity). Similarity: Belongs to the claudin family.
References	Ai XY, Zhang H, Gao SY, Qin Y, Zhong WL, Gu J, Li M, Qiao KL, Tian Q, Cui ZH, Yang JH, Bi Z, Xiao T, Chen S, Liu HJ, Zhou HG, Sun T, Yang C; Journal: Oncotarget. Sesquiterpene binding Gly-Leu-Ser/Lys-"co-adaptation pocket" to inhibit lung cancer cell epithelial-mesenchymal transition.

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	Observed: 25 kDa Predicted: 24 kDa
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
UniProt Protein Name	Claudin-3
UniProt Gene Name	CLDN3
UniProt Synonym Gene Names	C7orf1; CPETR2; CPE-R 2; CPE-receptor 2; hRVP1

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-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/320777>