

Rabbit Claudin 5 Polyclonal Antibody | anti-CLDN5 antibody

Phospho-Claudin 5 (Thr207) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA329406	Rabbit	Human, Mouse, Rat Predicted Reactivity: Pig (90%), Bovine (89%), Rabbit (90%), Xenopus (80%)	ELISA, Immunohistochemistry, Western Blot

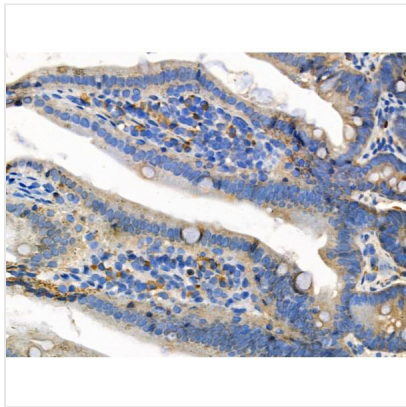
PRODUCT SYNONYMS

Claudin 5; Polyclonal Antibody; Phospho-Claudin 5 (Thr207) Antibody; Androgen withdrawal and apoptosis induced protein RVP1 like; AWAL; BEC 1; BEC1; Claudin 5 (transmembrane protein deleted in velocardiofacial syndrome); Claudin-5; Claudin5; CLD5_HUMAN; CLDN 5; Cldn5; CPETR L1; CPETRL 1; CPETRL1; TMDVCF; TMVCF; Transmembrane protein deleted in VCFS; Transmembrane protein deleted in velocardiofacial syndrome; anti-CLDN5 antibody

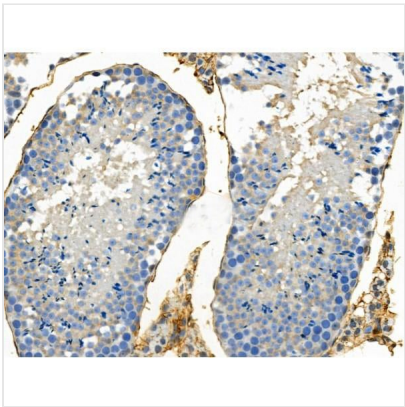
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat Predicted Reactivity: Pig (90%), Bovine (89%), Rabbit (90%), Xenopus (80%)
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Phospho-Claudin 5 (Thr207) Antibody detects endogenous levels of Claudin 5 only when phosphorylated at Thr207.
Purity/Purification	The antibody is from purified rabbit serum by affinity purification via sequential chromatography on phospho-peptide and non-phospho-peptide affinity columns.
Form/Format	Liquid. Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-CLDN5 antibody	ELISA (Peptide ELISA), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human Claudin 5 around the phosphorylation site of Thr207.
Conjugation	Unconjugated
Fragment	Fab fragment
Subunit Structure	Directly interacts with TJP1/ZO-1, TJP2/ZO-2 and TJP3/ZO-3. Interacts with MPDZ (By similarity).
Similarity	Belongs to the claudin family.
Subcellular Location	Cell junction>Tight junction. Cell membrane>Multi-pass membrane protein.
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

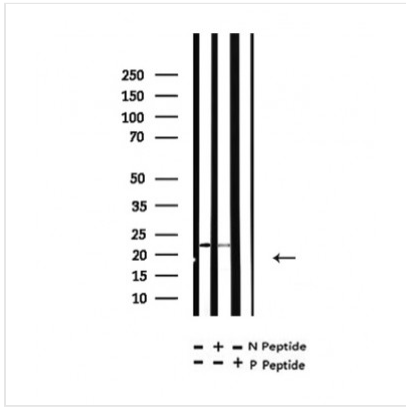
IMAGES



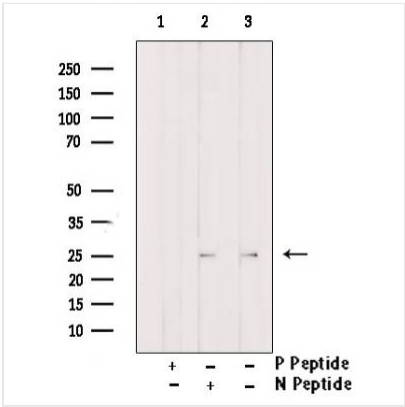
IHC (Immunohistochemistry)
At 1/100 staining Mouse colorectal tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4 degree C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



IHC (Immunohistochemistry)
At 1/100 staining Mouse testis tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4 degree C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



WB (Western Blot)
Western blot analysis of Phospho-Claudin 5 (Thr207) in lysates of MCF7 pervanadate, using Phospho-Claudin 5 (Thr207) Antibody(AF4307).



WB (Western Blot)
Western blot analysis of extracts from MCF7 treated with pervanadate, using Phospho-Claudin 5 (Thr207) Antibody. Lane1 was treated with phospho-blocking peptide, Lane2 was treated with non-phospho-blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-CLDN5 antibody	Plays a major role in tight junction-specific obliteration of the intercellular space.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	195947374
NCBI GeneID	7122
NCBI Accession #	NP_001124333.1
NCBI GenBank Nucleotide #	NM_001130861.1
UniProt Accession #	O00501; Q53XW2; Q8WUW3; B3KS11
Molecular Weight	23,147 Da
NCBI Official Full Name	claudin-5
NCBI Official Synonym Full Names	claudin 5
NCBI Official Symbol	CLDN5

NCBI Official Synonym Symbols	AWAL; BEC1; TMVCF; CPETRL1
NCBI Protein Information	claudin-5; TMDVCF; transmembrane protein deleted in VCFS; transmembrane protein deleted in velocardiofacial syndrome
UniProt Protein Name	Claudin-5
UniProt Gene Name	CLDN5
UniProt Synonym Gene Names	AWAL; TMVCF; TMDVCF
UniProt Entry Name	CLD5_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-5-antibody-peptide-elisa-immunohistochemistry-western-blot-elisa/329406>