

Product datasheet for **TA321884**

Claudin 1 (CLDN1) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 1000-3000 WB positive control: Hela cells IHC: 100-300 Positive control: Human esophagus cancer Predicted cell location: Cytoplasm
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide corresponding to a region derived from 196-209 amino acids of Human claudin 1
Formulation:	PBS pH7.3, 0.05% NaN ₃ , 50% glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	23 kDa
Gene Name:	claudin 1
Database Link:	NP_066924 Entrez Gene 12737 Mouse Entrez Gene 65129 Rat Entrez Gene 9076 Human O95832



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Background: Tight junctions represent one mode of cell-to-cell adhesion in epithelial or endothelial cell sheets; forming continuous seals around cells and serving as a physical barrier to prevent solutes and water from passing freely through the paracellular space. These junctions are comprised of sets of continuous networking strands in the outwardly facing cytoplasmic leaflet; with complementary grooves in the inwardly facing extracytoplasmic leaflet. The protein encoded by this gene; a member of the claudin family; is an integral membrane protein and a component of tight junction strands. Loss of function mutations result in neonatal ichthyosis-sclerosing cholangitis syndrome.

Synonyms: CLD1; ILVASC; SEMP1

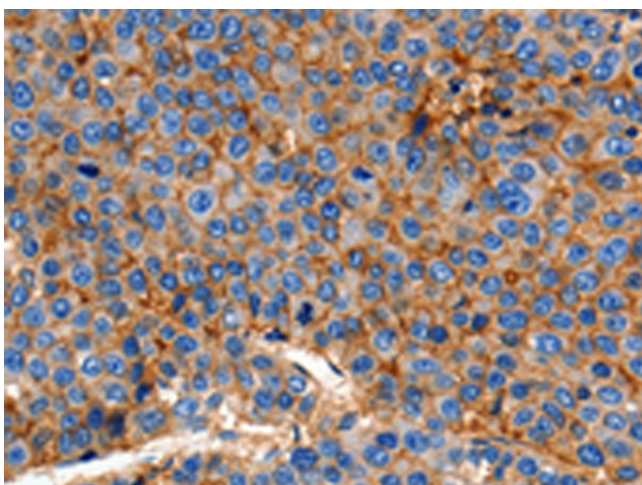
Protein Families: Transmembrane

Protein Pathways: Cell adhesion molecules (CAMs), Leukocyte transendothelial migration, Pathogenic Escherichia coli infection, Tight junction

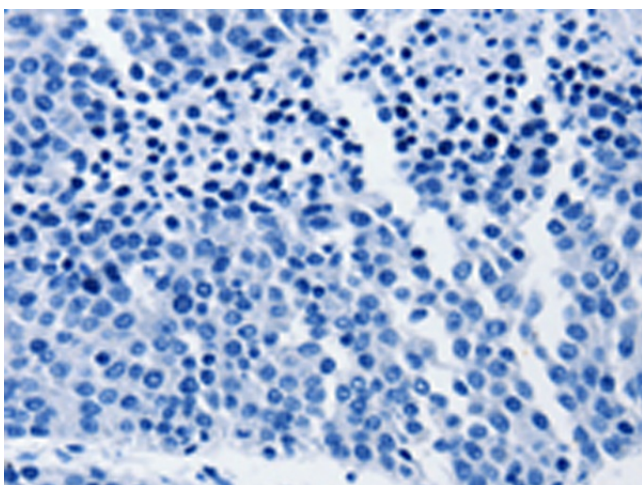
Product images:



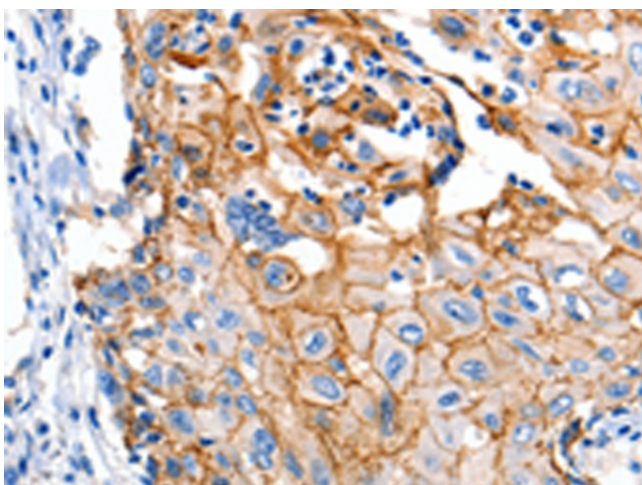
Gel: 10%SDS-PAGE
Lysate: 30 µg
Lane: HeLa cells
Primary antibody: TA321884 (CLDN1 Antibody) at dilution 1/1100
Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution
Exposure time: 40 seconds



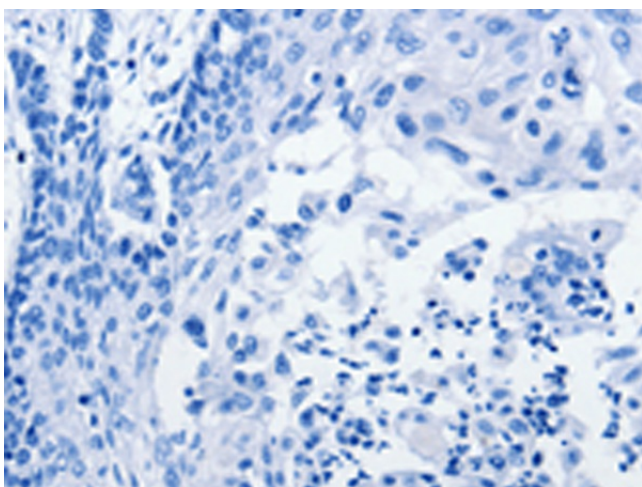
Immunohistochemistry of paraffin-embedded Human esophagus cancer tissue using TA321884 (CLDN1 Antibody) at dilution 1/150 (Original magnification: $\times 200$)



Immunohistochemistry of paraffin-embedded Human esophagus cancer tissue using TA321884 (CLDN1 Antibody) at dilution 1/150, treated with synthetic peptide. (Original magnification: $\times 200$)



Immunohistochemistry of paraffin-embedded Human cervical cancer tissue using TA321884 (CLDN1 Antibody) at dilution 1/150 (Original magnification: $\times 200$)



Immunohistochemistry of paraffin-embedded Human cervical cancer tissue using TA321884 (CLDN1 Antibody) at dilution 1/150, treated with synthetic peptide. (Original magnification: ×200)