

## Claudin-3 Polyclonal Antibody

### Description

<b>Product type</b>	Primary Antibody
<b>Code</b>	BT-AP01844
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Size</b>	20ul, 50ul, 100ul
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human Claudin 3. AA range:171-220
<b>Mol wt</b>	23319
<b>Species reactivity</b>	Human, Mouse, Rat
<b>Clonality</b>	Polyclonal
<b>Recommended application</b>	WB, IHC-p, IF, ELISA
<b>Concentration</b>	1 mg/ml
<b>Full name</b>	Claudin-3 Antibody
<b>Synonyms</b>	CLDN3; C7orf1; CPETR2; Claudin-3; Clostridium perfringens enterotoxin receptor 2; CPE-R 2; CPE-receptor 2; Rat ventral prostate.1 protein homolog; hRVP1

**This product is for research use only, not for use in human, therapeutic or diagnostic procedure.**

### 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 claudin 3 encoded by CLDN3, a member of the claudin family, is an integral membrane protein and a component of tight junction strands. It is also a low-affinity receptor for Clostridium perfringens enterotoxin, and shares aa sequence similarity with a putative apoptosis-related protein found in rat.

### Recommended Dilution

WB: 1: 500 - 1: 2000

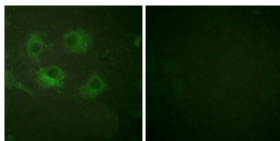
IHC: 1: 100 - 1: 300

IF: 1: 200 - 1: 1000

ELISA: 1: 40000

Not yet tested in other applications.

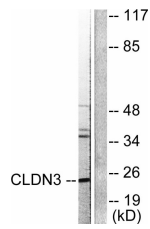
### Images



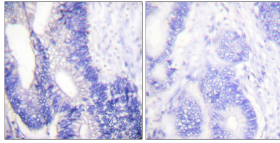
Immunofluorescence analysis of HUVEC cells, using Claudin 3 Antibody. The picture on the right is blocked with the synthesized peptide.



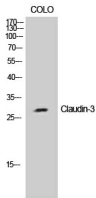
Western Blot analysis of various cells using Claudin-3 Polyclonal Antibody diluted at 1:2000



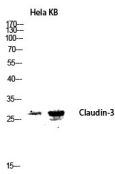
Western blot analysis of lysates from HUVEC cells, using Claudin 3 Antibody. The lane on the right is blocked with the synthesized peptide.



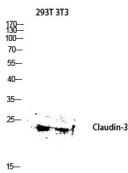
Immunohistochemistry analysis of paraffin-embedded human colon carcinoma tissue, using Claudin 3 Antibody. The picture on the right is blocked with the synthesized peptide.



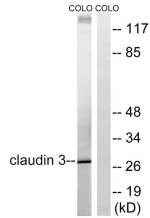
Western Blot analysis of COLO cells using Claudin-3 Polyclonal Antibody diluted at 1:2000



Western blot analysis of Hela KB lysis using Claudin-3 antibody. Antibody was diluted at 1:2000



Western blot analysis of 293T 3T3 lysis using Claudin-3 antibody. Antibody was diluted at 1:2000



Western blot analysis of lysates from COLO205 cells, treated with EGF 200ng/ml 30', using Claudin 3 Antibody. The lane on the right is blocked with the synthesized peptide.

## Storage

-20°C for one year

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