

Product datasheet for **TA354312**

Claudin 7 (CLDN7) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB 0.1-1 µg/ml ELISA 0.01-0.1 µg/ml IP 2-5 µg/ml IHC 0.5-2 µg/ml FC Not tested
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	peptide from C-terminus of human claudin 7 protein. This sequence is identical to human, rat, mouse and bovine.
Formulation:	This affinity purified antibody is supplied in sterile Phosphate buffered saline (pH7.2) containing antibody stabilizer.
Purification:	The Rabbit IgG is purified by Epitope Affinity Purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	24 kDa
Gene Name:	claudin 7
Database Link:	NP_001171951 Entrez Gene 53624 Mouse Entrez Gene 65132 Rat Entrez Gene 1366 Human O95471



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Background: The claudin superfamily consists of many structurally related proteins in humans. These proteins, which include claudin 1 through 18, are important structural and functional components of tight junctions in paracellular transport. Claudins are located in both epithelial and endothelial cells in all tight junction-bearing tissues. Claudins, which consist of four trans-membrane domains and two extracellular loops, make up tight junction strands. Claudin 7 (CLDN7) has two isoforms, a full-length form with 211 aa residues and a C-terminal truncated form with 158 aa residues. This protein is localized in the intercellular junctions of the epithelial cells of the proximal tubules of the nephrons in mammalian kidney. It is expressed in normal human and mouse epithelia.

Synonyms: CEPTRL2; claudin-1; CLDN-7; CPETRL2; Hs.84359

Protein Families: Transmembrane

Protein Pathways: Cell adhesion molecules (CAMs), Leukocyte transendothelial migration, Tight junction

Product images:



WB: The whole tissue lysates derived from mouse kidney were immunoblotted by Rabbit anti-Claudin 7 antibody at 1:500 (Lane 1). The immunoreactive band is blocked by preincubation of immunizing peptide (lane 2)