

**TJP2 Antibody (C-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP17049B**

**Specification**

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**TJP2 Antibody (C-term) - Product Information**

Application	WB,E
Primary Accession	<a href="#">O9UDY2</a>
Other Accession	<a href="#">NP_004808.2</a> , <a href="#">NP_001164101.1</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	133958
Antigen Region	981-1009

**TJP2 Antibody (C-term) - Additional Information**

**Gene ID** 9414

**Other Names**

Tight junction protein ZO-2, Tight junction protein 2, Zona occludens protein 2, Zonula occludens protein 2, TJP2, X104, ZO2

**Target/Specificity**

This TJP2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 981-1009 amino acids from the C-terminal region of human TJP2.

**Dilution**

WB~~1:1000

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

TJP2 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**TJP2 Antibody (C-term) - Protein Information**

**Name** TJP2

**Synonyms** X104, ZO2

**Function** Plays a role in tight junctions and adherens junctions (By similarity). Acts as a positive regulator of RANKL-induced osteoclast differentiation, potentially via mediating downstream transcriptional activity (By similarity).

#### **Cellular Location**

Cell junction, adherens junction. Cell membrane; Peripheral membrane protein; Cytoplasmic side. Cell junction, tight junction {ECO:0000250|UniProtKB:Q9Z0U1}. Nucleus. Note=Also nuclear under environmental stress conditions and in migratory endothelial cells and subconfluent epithelial cell cultures

#### **Tissue Location**

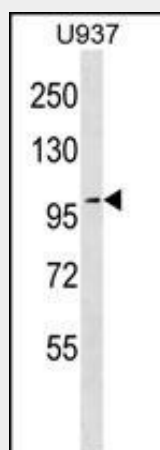
This protein is found in epithelial cell junctions. Isoform A1 is abundant in the heart and brain. Detected in brain and skeletal muscle. It is present almost exclusively in normal tissues Isoform C1 is expressed at high level in the kidney, pancreas, heart and placenta. Not detected in brain and skeletal muscle. Found in normal as well as in most neoplastic tissues

### **TJP2 Antibody (C-term) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### **TJP2 Antibody (C-term) - Images**



TJP2 Antibody (C-term) (Cat. #AP17049b) western blot analysis in U937 cell line lysates (35ug/lane). This demonstrates the TJP2 antibody detected the TJP2 protein (arrow).

### **TJP2 Antibody (C-term) - Background**

This gene encodes a zonula occludens that is a member of the membrane-associated guanylate kinase homolog family. The encoded protein functions as a component of the tight junction barrier in epithelial and endothelial cells and is necessary for

proper assembly of tight junctions. Mutation in this gene have been identified in patients with hypercholanemia. Alternate splicing results in multiple transcript variants.

#### **TJP2 Antibody (C-term) - References**

Lechuga, S., et al. Exp. Cell Res. 316(19):3124-3139(2010)  
Remue, E., et al. FEBS Lett. 584(19):4175-4180(2010)  
Walsh, T., et al. Am. J. Hum. Genet. 87(1):101-109(2010)  
Meerschaert, K., et al. Cell. Mol. Life Sci. 66(24):3951-3966(2009)  
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