

Datasheet for ABIN6265590  
**anti-TJP3 antibody (C-Term)**



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1 Image

### Overview

Quantity:	100 µL
Target:	TJP3
Binding Specificity:	C-Term
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TJP3 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

### Product Details

Immunogen:	A synthesized peptide derived from human TJP3, corresponding to a region within C-terminal amino acids.
Isotype:	IgG
Specificity:	TJP3 Antibody detects endogenous levels of total TJP3.
Predicted Reactivity:	Pig,Dog,Chicken
Purification:	The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific).

### Target Details

Target:	TJP3
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## Target Details

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Alternative Name: TJP3 ([TJP3 Products](#))

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Background: Description: TJP1, TJP2, and TJP3 are closely related scaffolding proteins that link tight junction (TJ) transmembrane proteins such as claudins, junctional adhesion molecules, and occludin to the actin cytoskeleton (PubMed:16129888). The tight junction acts to limit movement of substances through the paracellular space and as a boundary between the compositionally distinct apical and basolateral plasma membrane domains of epithelial and endothelial cells. Binds and recruits PATJ to tight junctions where it connects and stabilizes apical and lateral components of tight junctions (PubMed:16129888). Promotes cell-cycle progression through the sequestration of cyclin D1 (CCND1) at tight junctions during mitosis which prevents CCND1 degradation during M-phase and enables S-phase transition (PubMed:21411630). With TJP1 and TJP2, participates to the junctional retention and stability of the transcription factor DBPA, but is not involved in its shuttling to the nucleus (By similarity). Contrary to TJP2, TJP3 is dispensable for individual viability, embryonic development, epithelial differentiation, and the establishment of TJs, at least in the laboratory environment (By similarity).

Gene: TJP3

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Molecular Weight: 101 kDa

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Gene ID: 27134

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UniProt: [095049](#)

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## Application Details

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Application Notes: WB 1:1000-3000, ELISA(peptide) 1:20000-1:40000

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Restrictions: For Research Use only

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## Handling

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Format: Liquid

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Concentration: 1 mg/mL

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Buffer: Rabbit IgG in phosphate buffered saline , pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.

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Preservative: Sodium azide

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Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

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## Handling

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Storage: -20 °C

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Storage Comment: Store at -20 °C. Stable for 12 months from date of receipt.

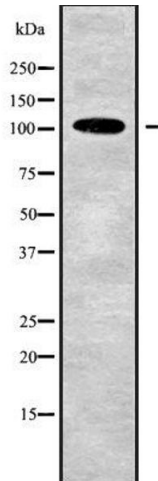
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Expiry Date: 12 months

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## Images

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### Western Blotting

**Image 1.** Western blot analysis of TJP3 using RAW264.7 whole cell lysates