

Datasheet for ABIN7119969 **anti-TJP1 antibody**



[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	TJP1
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TJP1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Immunoprecipitation (IP), Immunofluorescence (IF), Flow Cytometry (FACS)

Product Details

Immunogen:	tight junction protein 1(zona occludens 1)
Isotype:	IgG
Purification:	Immunogen affinity purified
Purity:	≥95 % as determined by SDS-PAGE

Target Details

Target:	TJP1
Alternative Name:	ZO-1 (TJP1 Products)
Background:	Synonyms:Tight junction protein 1, Tight junction protein ZO 1, TJP1, ZO 1, ZO1, ZO-1, Zona occludens protein 1, Zonula occludens protein 1 Background:Tight junction(or zonula occludens) form the continuous intercellular barrier between epithelial and endothelial cells,

Target Details

which is required to separate tissue spaces and regulate selective movement of solutes across the epithelium and endothelium(PMID: 20066090). ZO-1(also known as TJP1) is a peripheral membrane phosphoprotein located on the cytoplasmic face and is expressed in tight junctions of both epithelial and endothelial cells(PMID: 3528172). It binds the transmembrane proteins occludin and the claudins linking them to cytoskeletal actin(PMID: 17418867). ZO-1 belongs to a family of multidomain proteins known as the membrane-associated guanylate kinase homologs(MAGUKs). It is a pivotal tight junction protein and may be involved in signalling mechanisms regulating cell proliferation and differentiation(PMID: 22782886).

Molecular Weight: 230kd

Gene ID: 7082

UniProt: [Q07157](#)

Pathways: [Carbohydrate Homeostasis](#), [Cell-Cell Junction Organization](#)

Application Details

Application Notes: WB: 1:200-1:2000, IP: 1:200-1:2000, IHC: 1:50-1:200, IF: 1:20-1:200

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: PBS with 0.02 % sodium azide and 50 % glycerol pH 7.3,

Preservative: Sodium azide

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

Storage: -20 °C

Storage Comment: -20°C for 12 months (Avoid repeated freeze / thaw cycles.)

Expiry Date: 12 months