antibodies - online.com







anti-TJP1 antibody

Publication **Images**



Overview

Quantity:	100 μg
Target:	TJP1
Reactivity:	Mouse
Host:	Rat
Clonality:	Monoclonal
Conjugate:	This TJP1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunoprecipitation (IP)

Product Details

Immunogen:	Purified protein corresponding to mouse ZO-1.
Isotype:	IgG2a kappa
Specificity:	Recognizes mouse ZO-1. Species Species sequence homology: rat.
Purification:	Ammonium sulfate precipitation

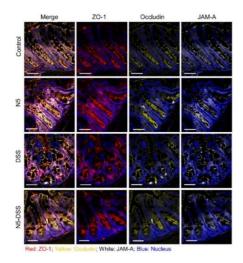
Target Details

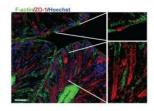
Target:	TJP1
Alternative Name:	TJP1 / Z0-1 (TJP1 Products)
Background:	Name/Gene ID: TJP1
	Family: Occludin
	Synonyms: TJP1, ZO-1, Zona occludens protein 1, Zona occludens 1, Zonula occludens protein

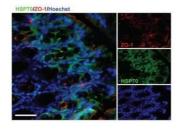
Target Details

	1, Tight junction protein 1, ZO1, Tight junction protein ZO-1, Zonula occludens 1 protein
Gene ID:	7082
UniProt:	Q07157
Pathways:	Carbohydrate Homeostasis, Cell-Cell Junction Organization
Application Details	
Application Notes:	Approved: IHC, IP, WB (1 μg/mL)
	Usage: Suitable for use in Western Blot, Immunoprecipitation, Immunohistochemistry. Western Blot: 1 μ g/mL.
	Not recommended for: IHC-P
Comment:	Target Species of Antibody: Mouse
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	Lot specific
Buffer:	0.1 M Tris-glycine, pH 7.4, 150 mM sodium chloride, 0.05 % sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Aliquot to Avoid repeated freezing and thawing.
Storage:	4 °C,-20 °C
Storage Comment:	Short term: 4°C. Long term: Store at -20°C. Avoid freeze-thaw cycles.
Publications	
Product cited in:	Liu, Gu, Zhu, Yuan, Zhu, Yao, Hu, Zhang, Dicksved, Bao, Cai: "Epithelial Heat Shock Proteins Mediate the Protective Effects of Limosilactobacillus reuteri in Dextran Sulfate Sodium-Induced Colitis." in: Frontiers in immunology , Vol. 13, pp. 865982, (2022) (PubMed).

Images







Immunohistochemistry

Image 1. Lactobacillus johnsonii N5 improves the intestinal barrier tight junction protein and HSP70 expressions in dextran sulfate sodium-induced colitis. Representative images of colonic tissue sections stained with antibodies specific for Z0-1 (red), occludin (yellow), and JAM-A (white). Sections were counterstained with Nucleus (blue). Scale bars = $50 \, \mu m$. Source: 10.1016/j.aninu.2023.04.012

Immunostaining

Image 2. Detection of colonic tight junction proteins and heat shock proteins (HSPs) in response Limosilactobacillus reuteri in healthy young mice. 10 weekold wild-type mice were given L. reuteri ATCC PTA 4659 (108 CFU) daily for 7 consecutive days. Confocal images of colonic tissues stained with anti-ZO-1 (red), phalloidin (Green), and Hoechst (blue, A) and anti-HSP70 antibodies (Green, B). Scale bar = 50 µm. Expressions of tight junction proteins (C, D) and HSP70 and HSP25 (E, F) were measured by q-RT-PCR and immunoblotting. Data are presented as mean \pm SEM, n = 6 mice per group. *p < 0.05, ***p < 0.001 using two-tailed Student's t test. DSS, dextran sulfate sodium. ns, non significant. Source: PMID35320932