

ZO-1 Rabbit Polyclonal Antibody

Catalog No: #29274

Package Size: #29274-1 50ul #29274-2 100ul

Description

Product Name	ZO-1 Rabbit Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Affinity purification
Applications	WB,IHC,IF
Species Reactivity	Human,Mouse,Rat
Immunogen Description	A synthetic peptide of human ZO-1 (NP_003248.3).
Conjugates	Unconjugated
Other Names	TJP1;ZO-1;ZO1
Accession No.	Swiss-Prot#:Q07157NCBI Gene ID:7082
Calculated MW	186kDa/195kDa
Formulation	PBS with 0.02% sodium azide,50% glycerol,pH7.3.
Storage	Store at -20°C. Avoid freeze / thaw cycles.

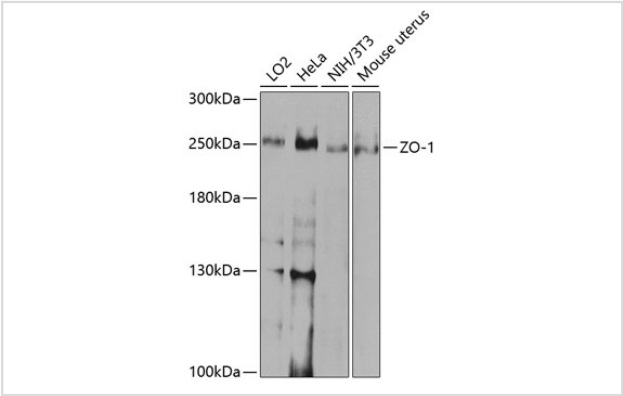
Application Details

WB 1:2000 - 1:5000

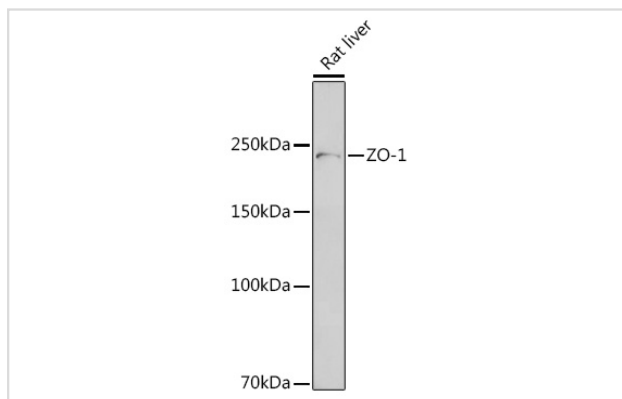
IHC 1:50 - 1:200

IF 1:50 - 1:200

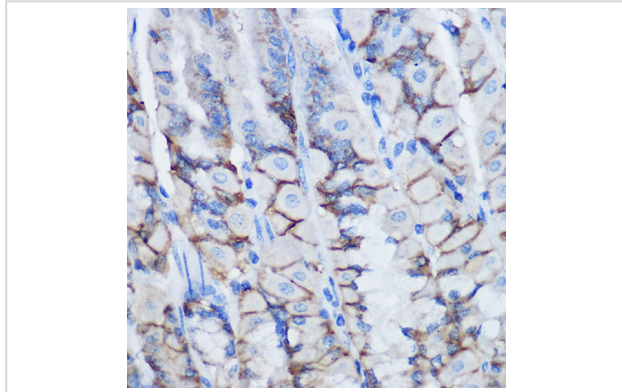
Images



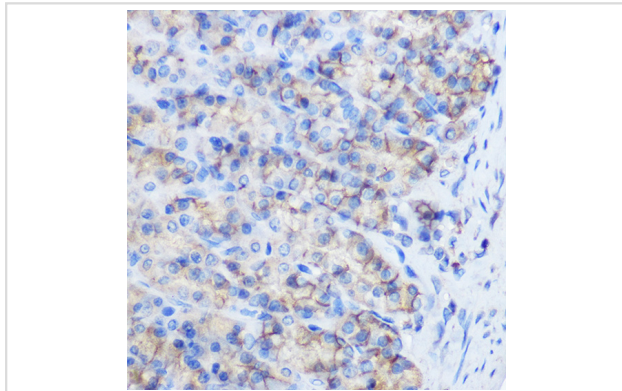
Western blot analysis of extracts of various cell lines, using ZO-1 antibody.



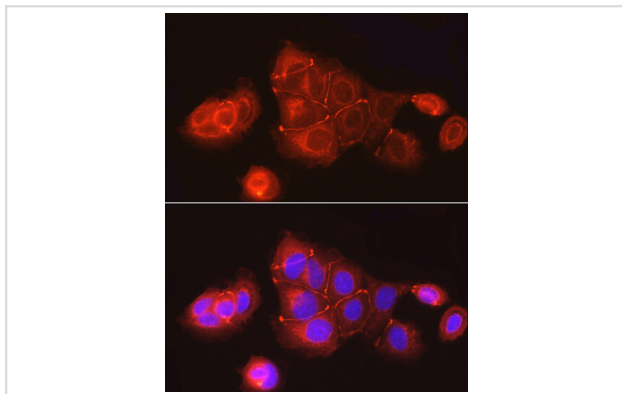
Western blot analysis of extracts of Rat liver, using ZO-1 antibody.



Immunohistochemistry of paraffin-embedded Mouse stomach using ZO-1 antibody at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Immunohistochemistry of paraffin-embedded Rat stomach using ZO-1 antibody at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Immunofluorescence analysis of MCF7 cells using ZO-1 Rabbit pAb at dilution of 1:150 (40x lens). Blue: DAPI for nuclear staining.

Background

This gene encodes a protein located on a cytoplasmic membrane surface of intercellular tight junctions. The encoded protein may be involved in signal transduction at cell-cell junctions. Alternative splicing of this gene results in multiple transcript variants.

Published Papers

el at., Hederacoside C ameliorates colitis via restoring impaired intestinal barrier through moderating S100A9/MAPK and neutrophil recruitment

inactivation. In Acta Pharmacol Sin on 2023 Jan by Zheng-Xia Zha, Yu Lin, et al..PMID:35732707, , (2022)
[PMID:35732707](#)

el at., Ephrin B3 exacerbates colitis and colitis-associated colorectal cancerInBiochem PharmacolOn2023 Dec 22byZhen Qiao?1,?Min Liao? et al..PMID: 38142837, , (2023)
[PMID:38142837](#)

el at., Hederacoside C ameliorates colitis via restoring impaired intestinal barrier through moderating S100A9/MAPK and neutrophil recruitment inactivationInActa Pharmacol SinOn2023 JanbyZheng-Xia Zha?#?1,?Yu Lin et al..PMID:35732707, , (2023)
[PMID:35732707](#)

el at., Pulsatile Flow Increases METTL14-induced m6A modification and attenuates septic cardiomyopathy: an experimental study. In Int J Surg on 2024 Jul 1 by Shenyu Zhu, Kai Wang,et al..PMID:38549224, , (2024)
[PMID:38549224](#)

el at., Ephrin B3 exacerbates colitis and colitis-associated colorectal cancer. In Biochem Pharmacol on 2024 Feb by Zhen Qiao, Min Liao,et al..PMID:38142837, , (2024)
[PMID:38142837](#)

Yutao Li;Ruoyu Wang;Cunhua Zhai;Dingchen Cao;Zhipeng Sun;Ying Zhang;Bo Ma el at., Dynamic Impacts of Stock Enhancement on Kaluga Sturgeon (Huso dauricus): Novel Conservation Strategy Insights from the Gut Microbe Composition and Gene Expression Mode., , (2025)
[PMID:40003945](#)

Miaomiao Ma;Leshi Liang;Meihong Lin;Canhua Luo;Xingfeng Deng;Changhui Yu el at., Identification of Bioactive Compounds and Potential Mechanisms of Fuzi in the Treatment of Ulcerative Colitis by Integrating Network Pharmacology and Experimental Validation., , (2025)
[PMID:40101980](#)

Jin Yuan;Junwei Su;Shaowen Zhong;Xin Yuan;Jianping Zhu;Shuangxi Lu;Di Zhang;Guiling Li;Hanyu Xue;Min Yan;Lei Yue;Tianwu Zhang el at., Dictamnine alleviates DSS-induced colitis mice by inhibiting ferroptosis of enterocytes via activating Nrf2-Gpx4 signaling pathway., , (2025)
[PMID:40049578](#)

Note: This product is for in vitro research use only and is not intended for use in humans or animals.