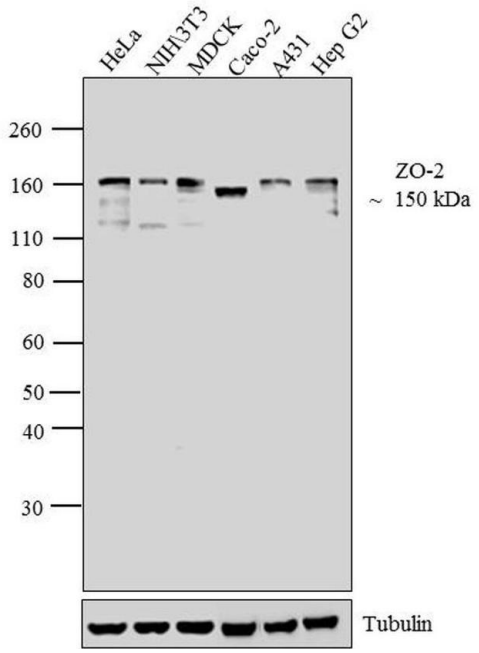
ZO-2 Polyclonal Antibody

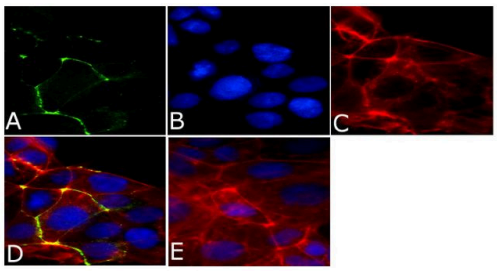
Product Details	
Size	100 µg
Species Reactivity	Dog, Human, Mouse
Published Species	Dog, Rabbit, Pig, Rat, Sheep, Plant, Fish, Human, Mouse, Xenopus
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Synthetic peptide derived from the central portion of the ZO-2 protein.
Form	Liquid
Concentration	0.25 mg/mL
Purification	Antigen affinity chromatography
Storage buffer	PBS, pH 7.4
Contains	0.1% sodium azide
Storage conditions	-20°C
RRID	AB_2533976

Applications	**Tested Dilution**	**Publications**
Western Blot (WB)	1-2 µg/mL	46 Publications
Immunohistochemistry (IHC)	Assay-dependent	17 Publications
Immunohistochemistry (Paraffin) (IHC (P))	-	2 Publications
Immunohistochemistry (PFA fixed) (IHC (PFA))	-	1 Publication
Immunohistochemistry (Frozen) (IHC (F))	-	3 Publications
Immunohistochemistry - Free Floating (IHC (Free))	-	1 Publication
Immunocytochemistry (ICC/IF)	1 µg/mL	31 Publications
Flow Cytometry (Flow)	-	1 Publication
ELISA (ELISA)	Assay-dependent	-
Immunoprecipitation (IP)	-	11 Publications
ChIP assay (ChIP)	-	1 Publication
GST Pull Down (GPD)	-	1 Publication
Miscellaneous PubMed (Misc)	-	5 Publications

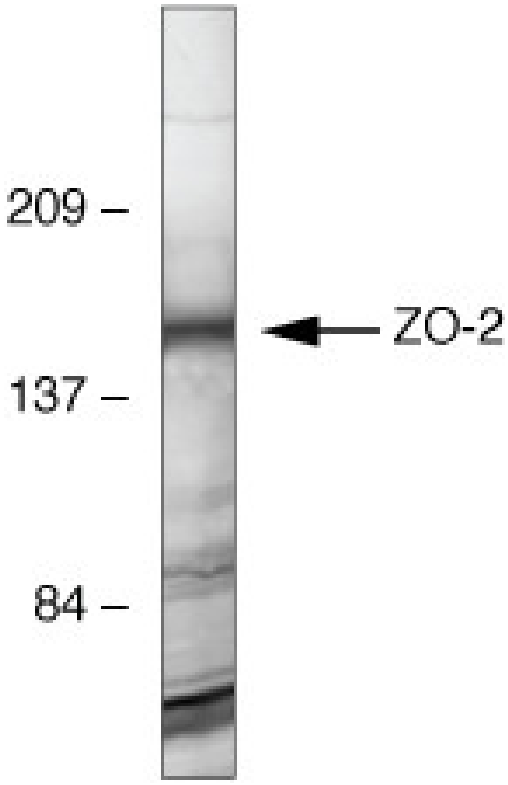
Product Images For ZO-2 Polyclonal Antibody



ZO-2 Antibody (71-1400) in WB
Western blot analysis of ZO-2 was performed by loading 30 µg of HeLa (lane1), NIH\u0003T3 (lane2), MDCK (lane3), Caco-2 (lane4), A431 (lane5) and Hep G2 (lane6) cell lysate using Novex® NuPAGE® 4-12 % Bis-Tris gel (Product # NP0322BOX), XCell SureLock™ Electrophoresis System (Product # EI0002), Novex® Sharp Pre-Stained Protein Standard (LC5800), and Pierce™ Power Blotter System (22834). Proteins were transferred to a nitrocellulose membrane and blocked with 5 % skim milk for 1 hour at room temperature. ZO-2 was detected at ~150 kDa using ZO-2 Rabbit Polyclonal Antibody (Product # 71-1400) at 1-2 µg/mL in 5 % skim milk at 4°C overnight on a rocking platform. Goat Anti-Rabbit IgG - HRP Secondary Antibody (G21234) at 1:5000 dilution was used and chemiluminescent detection was performed using Pierce™ ECL Western Blotting Substrate (Product # 32106).



ZO-2 Antibody (71-1400) in ICC/IF
Immunofluorescent analysis of ZO2/TJP2 Antibody was done on 90% confluent log phase CaCo2 cells. The cells were fixed with 4% paraformaldehyde for 15 minutes, permeabilized with 0.25% Triton™ X-100 for 10 minutes, and blocked with 5% BSA for 1 hour at room temperature. The cells were labeled with ZO2 /TJP2 Antibody (Product # 71-1400) at 1 µg/mL in 1% BSA and incubated for 3 hours at room temperature and then labeled with Alexa Fluor 488 Goat Anti-Rabbit IgG Secondary Antibody (Product # A-11008) at a dilution of 1:400 for 45 minutes at room temperature (Panel a: green). Nuclei (Panel b: blue) were stained with SlowFade® Gold Antifade Mountant with DAPI (Product # S36938). F-actin (Panel c: red) was stained with Alexa Fluor 594 Phalloidin (Product # A12381). Panel d is a merged image showing membrane localization. Panel e is a no primary antibody control. The images were captured at 40X magnification.



ZO-2 Antibody (71-1400) in WB
Western blot analysis of MDCK cells using Rabbit anti-ZO-2 polyclonal antibody (Product # 71-1400).

View more figures on thermofisher.com

120 References

Western Blot (46)

Microbiome

Lactic acid from vaginal microbiota enhances cervicovaginal epithelial barrier integrity by promoting tight junction protein expression.

"Published figure using ZO-2 polyclonal antibody (Product # 71-1400) in Western Blot"

Authors: Delgado-Diaz DJ,Jesaveluk B,Hayward JA,Tyssen D,Alisoltani A,Potgieter M,Bell L,Ross E,Iranzadeh A,Allali I, Dabee S,Barnabas S,Gamieldien H,Blackburn JM,Mulder N,Smith SB,Edwards VL,Burgener AD,Bekker LG,Ravel J, Passmore JS,Masson L,Hearps AC,Tachedjian G

Year
2022

Frontiers in cellular and infection microbiology

***Aeromonas sobria* Serine Protease Degrades Several Protein Components of Tight Junctions and Assists Bacterial Translocation Across the T84 Monolayer.**

"Published figure using ZO-2 polyclonal antibody (Product # 71-1400) in Western Blot"

Authors: Ueda M,Kobayashi H,Seike S,Takahashi E,Okamoto K,Yamanaka H

Year
2022

View more WB references on thermofisher.com

Immunohistochemistry (17)

NPJ Regenerative medicine

ZO-2/Tjp2 suppresses Yap and Wwtr1/Taz-mediated hepatocyte to cholangiocyte transdifferentiation in the mouse liver.

"Published figure using ZO-2 polyclonal antibody (Product # 71-1400) in Immunohistochemistry"

Authors: Xu J,Kausalya PJ,Ong AGM,Goh CMF,Mohamed Ali S,Hunziker W

Year
2022

Circulation research

ZO-1 Regulates Intercalated Disc Composition and Atrioventricular Node Conduction.

"71-1400 was used in Immunohistochemistry to determine the role of ZO-1 in cardiac function."

Authors: Dai W,Nadadur RD,Brennan JA,Smith HL,Shen KM,Gadek M,Laforest B,Wang M,Gemel J,Li Y,Zhang J,Ziman BD,Yan J,Ai X,Beyer EC,Lakata EG,Kasthuri N,Efimov IR,Broman MT,Moskowitz IP,Shen L,Weber CR

Year
2020

Species
Mouse

View more IHC references on thermofisher.com

More applications with references on thermofisher.com

IHC (P) (2) | IHC (PFA) (1) | IHC (F) (3) | IHC (Free) (1) | ICC/IF (31) | Flow (1) | IP (11) | ChIP (1) | GPD (1) | Misc (5)

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