

ZO-2 Polyclonal Antibody

Product Details

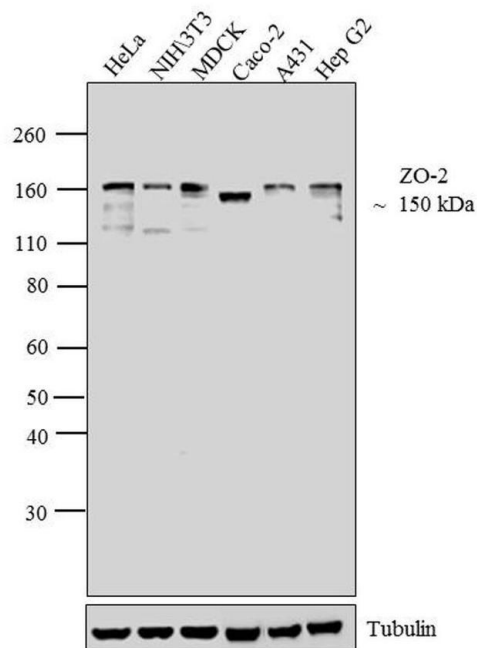
Size	100 µg
Species Reactivity	Dog, Human, Mouse
Published Species	Dog, Rabbit, Pig, Rat, Sheep, Plant, Fish, Human, Mouse, Xenopus
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Synthetic peptide derived from the central portion of the ZO-2 protein.
Form	Liquid
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
in situ PLA (PLA)	-	0 Publication
GST Pull Down (GPD)	-	1 Publication
Miscellaneous PubMed (Misc)	-	5 Publications

Product Images For ZO-2 Polyclonal Antibody

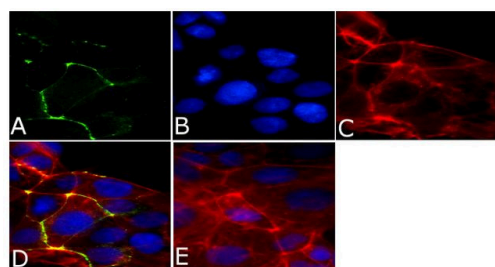
ZO-2 Antibody (71-1400) in WB

Western blot analysis of ZO-2 was performed by loading 30 µg of HeLa (lane1), NIH\0003T3 (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).



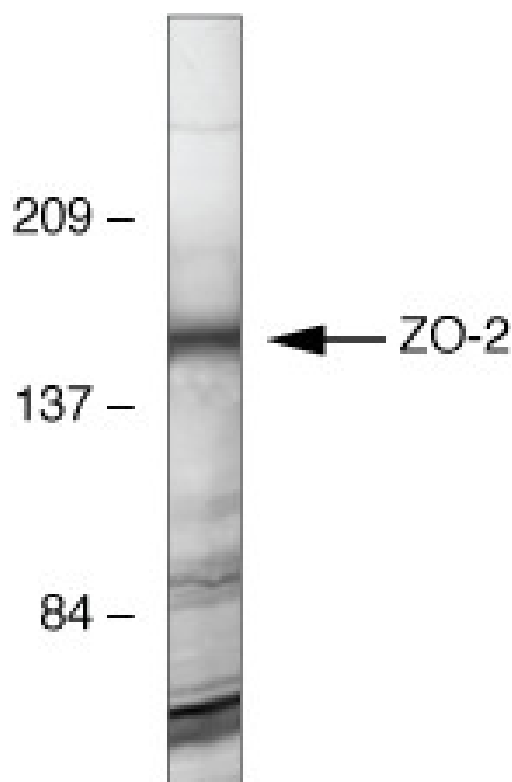
ZO-2 Antibody (71-1400) in ICC/IF

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).



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📄 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,Gamieldeen 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 Species Human
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. "71-1400 was used in Western Blotting to investigate the effect of Aeromonas sobria serine protease on tight junctions (TJs) in T84 cells." Authors: Ueda M,Kobayashi H,Seike S,Takahashi E,Okamoto K,Yamanaka H	Year 2022 Species Human Dilution 1:250

[View more WB references on thermofisher.cn](#)

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 Species Mouse Dilution 1:100
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

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More applications with references on thermofisher.cn

- 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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