

# ZO-2 Polyclonal Antibody

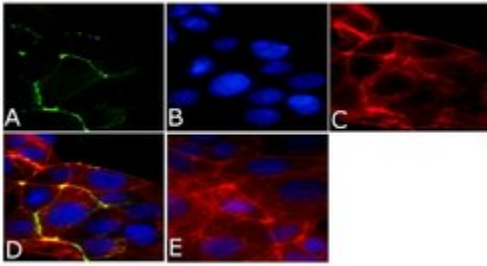
Product Details	
Size	100 µg
Species Reactivity	Dog, Human, Mouse
Published Species	Dog, Artificial Control, Rat, Plant, Fish, Human, Mouse, Xenopus
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Synthetic peptide derived from the central portion of the ZO-2 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	35 Publications
Immunohistochemistry (IHC)	Assay Dependent	10 Publications
Immunohistochemistry (Paraffin) (IHC (P))	-	2 Publications
Immunohistochemistry - Free Floating (IHC (Free))	-	1 Publication
Immunocytochemistry (ICC)	-	9 Publications
Immunofluorescence (IF)	-	30 Publications
Flow Cytometry (Flow)	-	1 Publication
ELISA (ELISA)	Assay Dependent	-
Immunoprecipitation (IP)	-	9 Publications
ChIP assay (ChIP)	-	1 Publication
Miscellaneous PubMed (Misc)	-	5 Publications
Immunocytochemistry (ICC/IF)	1 µg/mL	-

## Product Images For ZO-2 Polyclonal Antibody

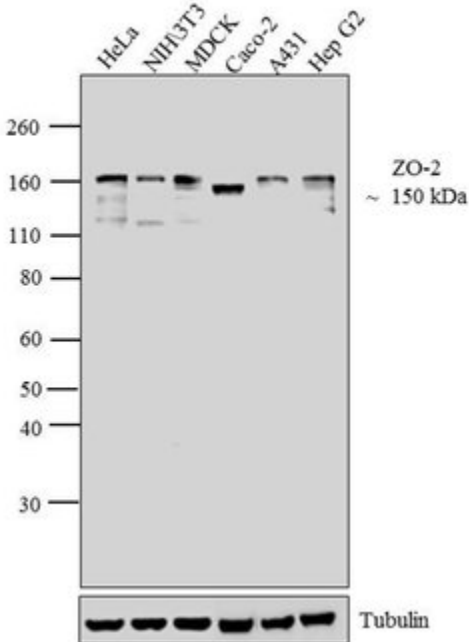
### ZO-2 Antibody (71-1400) in ICC/IF

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.



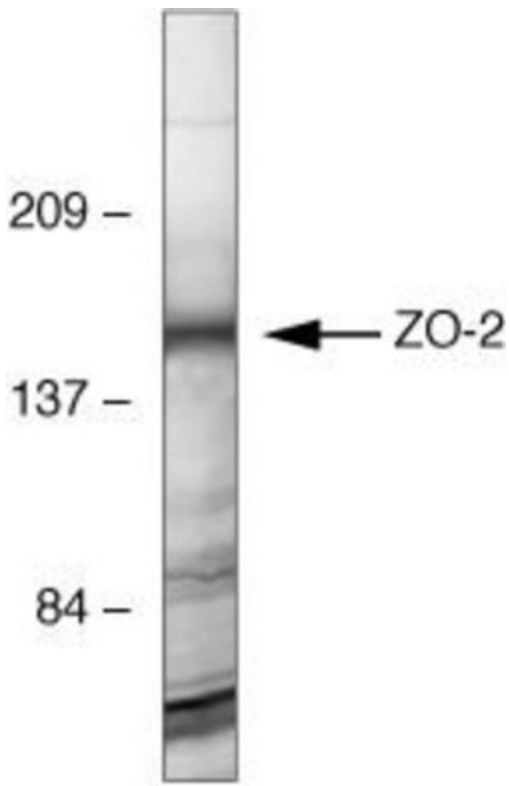
### ZO-2 Antibody (71-1400) in WB

Western blot analysis of ZO-2 was performed by loading 30 µg of HeLa (lane1), NIH\u00003T3 (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 WB**

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



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## Western Blot (35)

Journal of cell science

### Mechanism of recruiting Sec6/8 (exocyst) complex to the apical junctional complex during polarization of epithelial cells.

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

Authors: Yeaman C, Grindstaff KK, Nelson WJ

**Species**  
Human  
Dog

**Dilution**  
Not Cited  
Not Cited

**Year**  
2004

The Journal of biological chemistry

### A role for ZO-1 and PLEKHA7 in recruiting paracingulin to tight and adherens junctions of epithelial cells.

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

Authors: Pulimeno P, Paschoud S, Citi S

**Species**  
Human  
Dog

**Dilution**  
Not Cited  
Not Cited

**Year**  
2011

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

## Immunohistochemistry (10)

Gastroenterology

### Claudin-1 has tumor suppressive activity and is a direct target of RUNX3 in gastric epithelial cells.

Authors: Chang TL, Ito K, Ko TK, Liu Q, Salto-Tellez M, Yeoh KG, Fukamachi H, Ito Y

**Species**  
Human  
Plant  
Mouse

**Dilution**  
Not Cited  
Not Cited  
Not Cited

**Year**  
2010

Molecular vision

### Developmentally dynamic colocalization patterns of DSCAM with adhesion and synaptic proteins in the mouse retina.

"71-1400 was used in immunohistochemistry to study the role of down syndrome cell adhesion molecule during mice retina development"

Authors: de Andrade GB, Kunzelman L, Merrill MM, Fuerst PG

**Species**  
Mouse

**Dilution**  
1:400

**Year**  
2015

[View more IHC references on thermofisher.com](#)

## More applications with references on thermofisher.com

IHC (P) (2)

IHC (Free) (1)

ICC (9)

IF (30)

Flow (1)

IP (9)

ChIP (1)

Misc (5)

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