

ZO-1 Polyclonal Antibody

Product Details

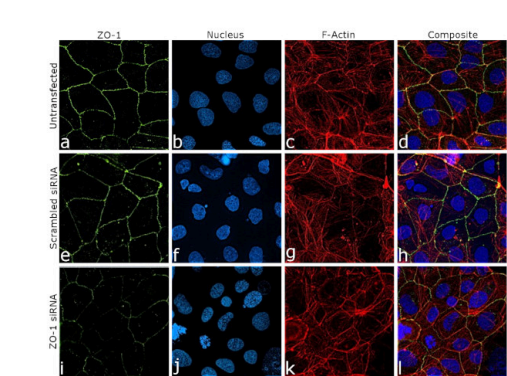
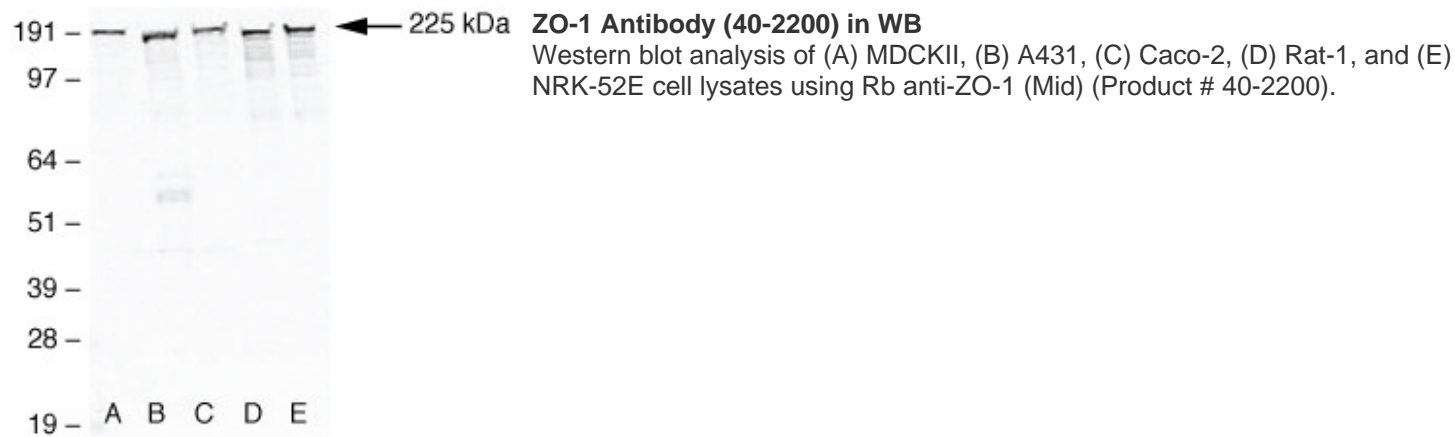
Size	100 µg
Species Reactivity	Dog, Human, Mouse, Rat
Published Species	Dog, Rat, Pig, Non-human primate, Zebrafish, Mouse, Human, Chicken
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Synthetic peptide in the middle region of the ZO-1 protein.
Form	Liquid
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_2533456

Applications	Tested Dilution	Publications
Western Blot (WB)	Assay-dependent	67 Publications
Immunohistochemistry (IHC)	-	72 Publications
Immunohistochemistry (Paraffin) (IHC (P))	-	3 Publications
Immunohistochemistry (PFA fixed) (IHC (PFA))	-	2 Publications
Immunohistochemistry (Frozen) (IHC (F))	Assay-dependent	7 Publications
Immunocytochemistry (ICC/IF)	2.5-5 µg/mL	92 Publications
Flow Cytometry (Flow)	-	1 Publication
ELISA (ELISA)	-	1 Publication
Immunoprecipitation (IP)	-	1 Publication
Miscellaneous PubMed (Misc)	-	4 Publications

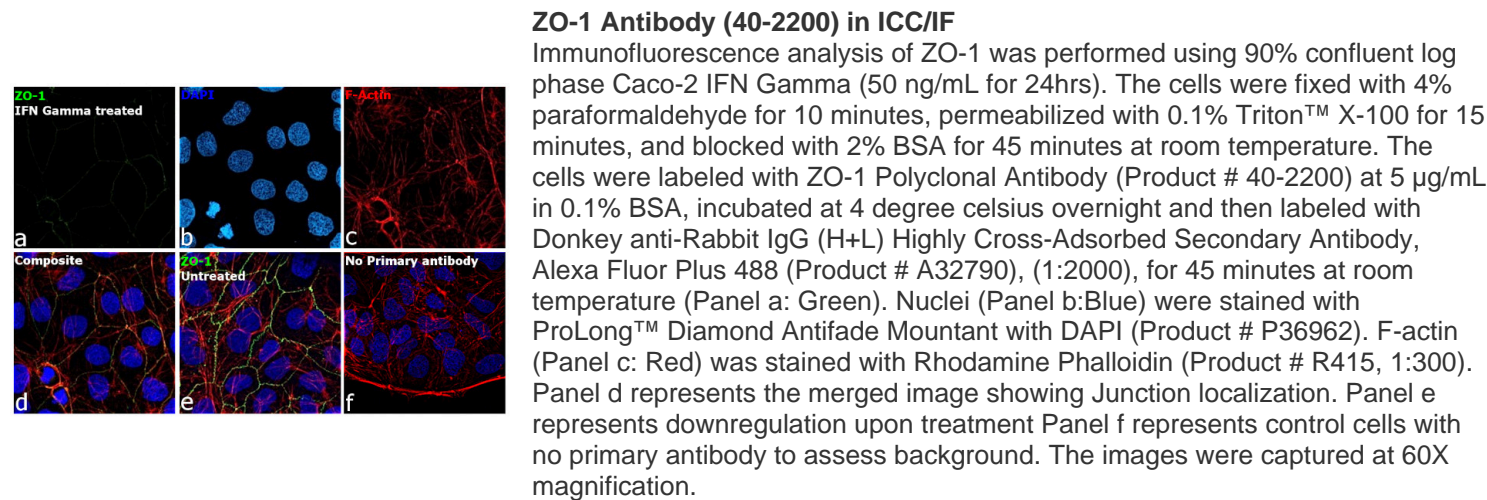
Product Specific Information

40-2200 was used successfully in the immunofluorescence analysis of Zo-1 in MDCK cells.

Product Images For ZO-1 Polyclonal Antibody



ZO-1 Antibody (40-2200)
Antibody specificity was demonstrated by siRNA mediated knockdown of target protein. Caco-2 cells were transfected with ZO-1 siRNA and decrease in signal intensity was observed in ICC application using Anti-ZO-1 Polyclonal Antibody (Product # 40-2200). {KD}



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Western Blot (67)

Frontiers in cell and developmental biology	Year 2023
Direct Current Stimulation Disrupts Endothelial Glycocalyx and Tight Junctions of the Blood-Brain Barrier <i>in vitro</i> .	Species Human Mouse
"40-2200 was used in Western Blot to elucidate the structural and signaling mechanisms by which direct current stimulation modulates the BBB permeability."	Dilution 1:100 1:100
Authors: Xia Y,Li Y,Khalid W,Bikson M,Fu BM	
Evidence-based complementary and alternative medicine : eCAM	Year 2023
Liangxue Tongyu Prescription Alleviates Brain Damage in Acute Intracerebral Hemorrhage Rats by Regulating Intestinal Mucosal Barrier Function.	Species Rat
"40-2200 was used in Western Blotting to show that LTP can effectively reduce the degree of brain damage in AICH rats, and the mechanism may be that it can play a neuroprotective role by regulating the function of the intestinal mucosal barrier."	Dilution 1:1000
Authors: Zhou Y,Zhang Z,Sun Y,Zhou D,Zhao Y,Li J,Guo W	

View more WB references on thermofisher.com

Immunohistochemistry (72)

The Journal of pharmacology and experimental therapeutics	Year 2023
Effects of Volatile Anesthetics versus Ketamine on Blood-Brain Barrier Permeability via Lipid-Mediated Alterations of Endothelial Cell Membranes.	Species Mouse
"40-2200 was used in Immunohistochemistry to support membrane permeabilization rather than loosening of intercellular tight junctions as an underlying mechanism for increased permeability of the endothelial cell monolayers and the BBB in vivo."	Dilution 1:100
Authors: Noorani B,Chowdhury EA,Alqahtani F,Ahn Y,Nozohouri E,Zoubi S,Patel D,Wood L,Huang J,Siddique MB,Al-Ahmad A,Mehvar R,Bickel U	
Scientific reports	Year 2022
Engineered human organ-specific urethra as a functional substitute.	Species Human
"40-2200 was used in Immunohistochemistry-immunofluorescence to show that substitutes produced with VF and at least 10% of DF showed sufficient mechanical resistance to withstand surgeon manipulation and high functionality, which may improve long-term patients' quality of life, representing a great future alternative to current treatments."	Dilution 1:200
Authors: Caneparo C,Chabaud S,Fradette J,Bolduc S	

View more IHC references on thermofisher.com

More applications with references on thermofisher.com

- IHC (P) (3)
- IHC (PFA) (2)
- IHC (F) (7)
- ICC/IF (92)
- Flow (1)
- ELISA (1)
- IP (1)
- Misc (4)

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