

For Research Use Only

# ZO-2 Polyclonal antibody

Catalog Number: 18900-1-AP

Featured Product

20 Publications



## Basic Information

<b>Catalog Number:</b> 18900-1-AP	<b>GenBank Accession Number:</b> BC027592	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 230 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 9414	<b>Recommended Dilutions:</b> WB 1:500-1:2000 IF 1:20-1:200
<b>Source:</b> Rabbit	<b>Full Name:</b> tight junction protein 2 (zona occludens 2)	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 134 kDa	
<b>Immunogen Catalog Number:</b> AG13534	<b>Observed MW:</b> 150 kDa	

## Applications

<b>Tested Applications:</b> IF, WB, ELISA	<b>Positive Controls:</b>
<b>Cited Applications:</b> IF, IHC, IP, WB	<b>WB :</b> MCF-7 cells, HEK-293 cells, HeLa cells, mouse heart tissue, mouse brain tissue, rat brain tissue, NIH/3T3 cells, C6 cells
<b>Species Specificity:</b> human, mouse, rat	<b>IF :</b> MCF-7 cells,
<b>Cited Species:</b> human, rat, mouse, pig	

## Background Information

Zona occludens protein 2 (ZO-2), also known as tight junction protein 2 (TJP2), is a membrane-associated guanylate kinase acting at intercellular contacts of epithelial and endothelial cells but also in their nuclei.

## Notable Publications

Author	Pubmed ID	Journal	Application
Xiaoying You	34650982	Front Cell Dev Biol	WB,IP
Wen-Long Lei	34580275	Cell Death Dis	IF
Ata Ur Rehman	36056976	AMB Express	WB

## Storage

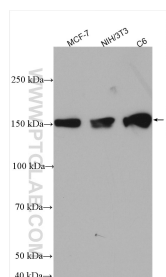
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
**Aliquoting is unnecessary for -20°C storage**

\*\*\* 20ul sizes contain 0.1% BSA

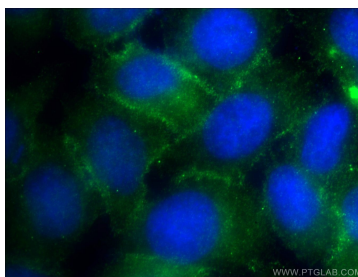
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 18900-1-AP (ZO-2 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of MCF-7 cells using 18900-1-AP (ZO-2 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).