

For Research Use Only

# ZO-2 Polyclonal antibody

Catalog Number: 18900-1-AP

Featured Product

20 Publications



## Basic Information

Catalog Number:

18900-1-AP

Size:

350 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG13534

GenBank Accession Number:

BC027592

GeneID (NCBI):

9414

UNIPROT ID:

Q9UDY2

Full Name:

tight junction protein 2 (zona occludens 2)

Calculated MW:

134 kDa

Observed MW:

150 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IF 1:20-1:200

## Applications

Tested Applications:

WB, IF/ICC, ELISA

Cited Applications:

WB, IP, IF, IHC

Species Specificity:

human, mouse, rat

Cited Species:

human, rat, mouse, pig

Positive Controls:

WB : MCF-7 cells, HeLa cells, mouse heart tissue, HEK-293 cells, mouse brain tissue, rat brain tissue, NIH/3T3 cells, C6 cells

IF : MCF-7 cells,

## 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

For technical support and original validation data for this product please contact:

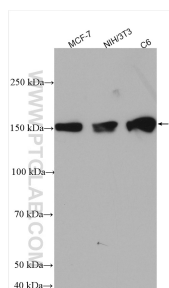
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

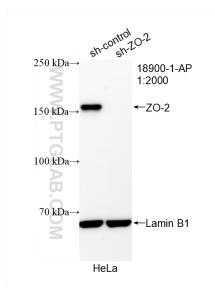
W: [ptgcn.com](http://ptgcn.com)

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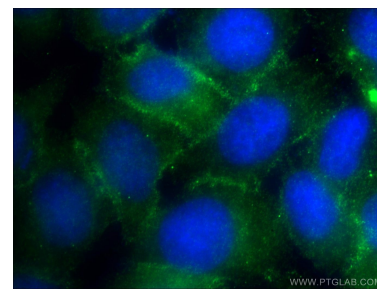
## Selected Validation Data



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.



WB result of ZO-2 antibody (18900-1-AP; 1:2000; incubated at room temperature for 1.5 hours) with sh-Control and sh-ZO-2 transfected HeLa cells.



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).