

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:**

230 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:**

IF/ICC, WB, ELISA

**Cited Applications:**

IF, IHC, IP, WB

**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:

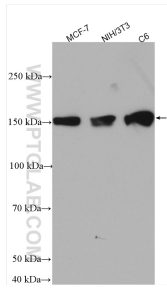
T: 4006900926

E: Proteintech-CN@ptglab.com

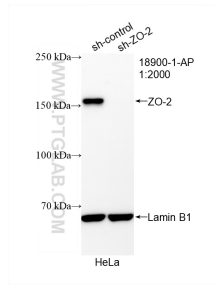
W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

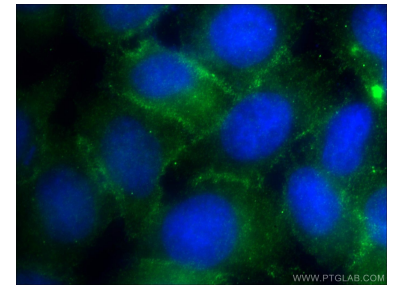
## Selected Validation Data



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).