

For Research Use Only

ZO-2 Polyclonal antibody

Catalog Number: 18900-1-AP

Featured Product

27 Publications



Basic Information

Catalog Number:

18900-1-AP

Size:

150ul, Concentration: 350 ug/ml by Nanodrop;

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 1:2000-1:12000

IHC 1:200-1:800

IF/ICC 1:50-1:500

Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Cited Applications:

WB, IHC, IF, IP

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, rat, pig

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : HepG2 cells, HEK-293 cells, HeLa cells, MCF-7 cells, mouse heart tissue, mouse brain tissue, rat brain tissue, NIH/3T3 cells, C6 cells

IHC : human stomach tissue,

IF/ICC : 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

*** 20ul sizes contain 0.1% BSA

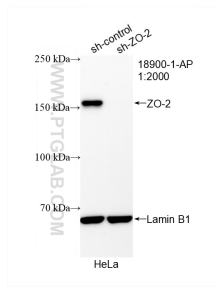
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

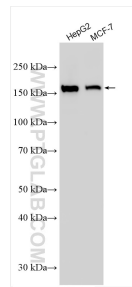
E: proteintech@ptglab.com
W: ptglab.com

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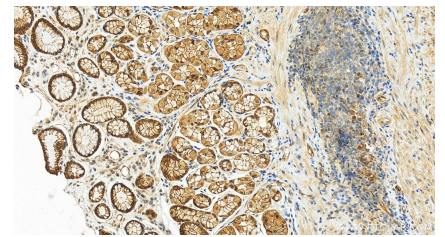
Selected Validation Data



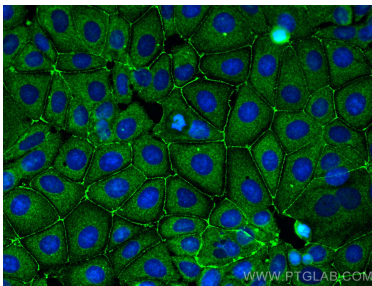
WB result of ZO-2 antibody (18900-1-AP; 1:2000; incubated at room temperature for 1.5 hours) with sh-Control and sh-ZO-2 transfected HeLa cells.



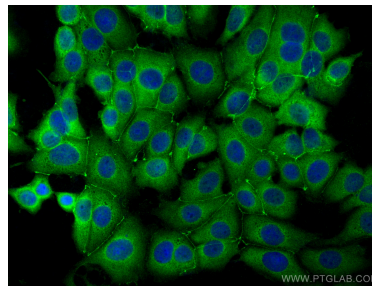
Various lysates were subjected to SDS PAGE followed by western blot with 18900-1-AP (ZO-2 antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human stomach tissue slide using 18900-1-AP (ZO-2 antibody) at dilution of 1:400 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Methanol) fixed MCF-7 cells using ZO-2 antibody (18900-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunofluorescent analysis of (-20°C Methanol) fixed MCF-7 cells using ZO-2 antibody (18900-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2).