

For Research Use Only

# ZO-2 Recombinant antibody

Catalog Number: 83111-1-RR

Featured Product



## Basic Information

Catalog Number:

83111-1-RR

Size:

100ul, Concentration: 1000 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:

Protein A purification

CloneNo.:

230474D1

Recommended Dilutions:

WB 1:2000-1:10000

IHC 1:200-1:800

## Applications

Tested Applications:

WB, IHC, ELISA

Species Specificity:

human, mouse, rat

**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, HeLa cells, MCF-7 cells, NIH/3T3 cells, C6 cells

IHC : mouse colon tissue,

## 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.

## 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:

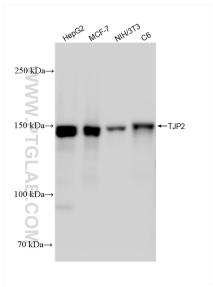
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)

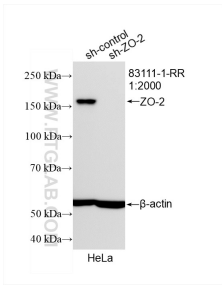
W: [ptglab.com](http://ptglab.com)

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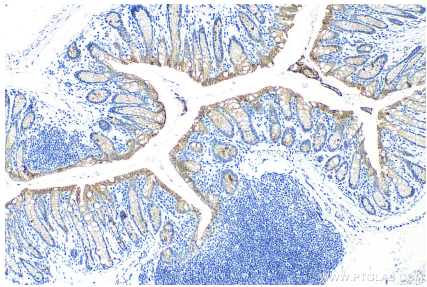
Selected Validation Data



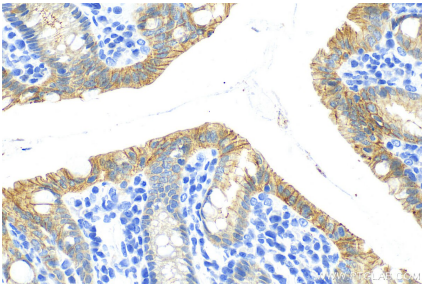
Various lysates were subjected to SDS PAGE followed by western blot with 83111-1-RR (ZO-2 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



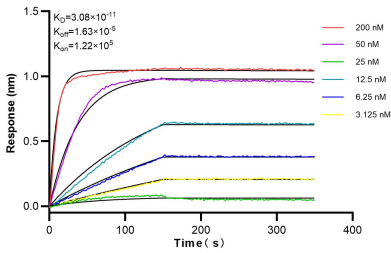
WB result of ZO-2 antibody (83111-1-RR; 1:2000; incubated at room temperature for 1.5 hours) with sh-Control and sh-ZO-2 transfected HeLa cells.



Immunohistochemical analysis of paraffin-embedded mouse colon tissue slide using 83111-1-RR (ZO-2 antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse colon tissue slide using 83111-1-RR (ZO-2 antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Biolayer interferometry (BLI) kinetic assays of 83111-1-RR against Human ZO-2 were performed. The affinity constant is 30.8 pM.