

For Research Use Only

# ZO-2 Recombinant antibody

Catalog Number: 83111-4-RR



## Basic Information

Catalog Number:

83111-4-RR

Size:

1000 ug/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:

Protein A purification

CloneNo.:

230474H8

Recommended Dilutions:

WB 1:5000-1:50000

IF/ICC 1:200-1:800

## Applications

Tested Applications:

WB, IF/ICC, FC (Intra), ELISA

Species Specificity:

human, rat

Positive Controls:

WB : HEK-293 cells, C6 cells, HepG2 cells, MCF-7 cells

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.

## 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:

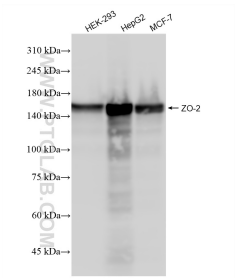
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E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

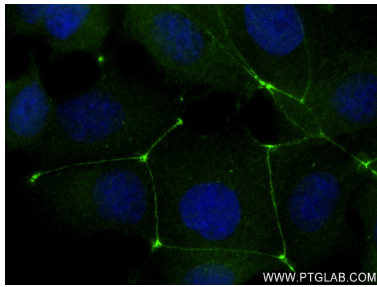
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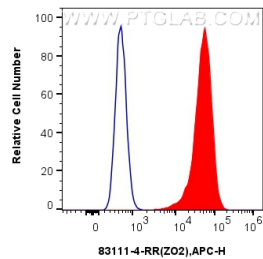
Selected Validation Data



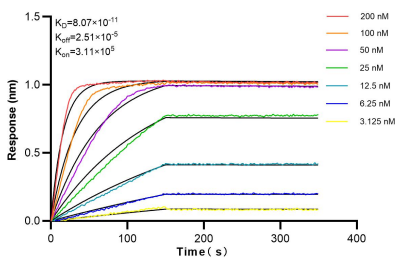
Various lysates were subjected to SDS PAGE followed by western blot with 83111-4-RR (ZO-2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



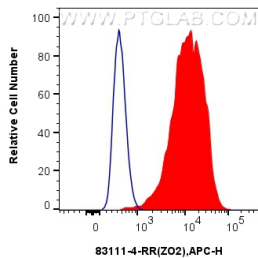
Immunofluorescent analysis of (4% PFA) fixed MCF-7 cells using ZO-2 antibody (83111-4-RR, Clone: 230474H8) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2).



1x10<sup>6</sup> A431 cells were intracellularly stained with 0.25 ug ZO-2 Recombinant antibody (83111-4-RR, Clone:230474H8) and APC-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)(red), or 0.25 ug Isotype Control (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Biolayer interferometry (BLI) kinetic assays of 83111-4-RR against Human XRN2 were performed. The affinity constant is 80.7 pM.



1x10<sup>6</sup> U2OS cells were intracellularly stained with 0.25 ug ZO-2 Recombinant antibody (83111-4-RR, Clone:230474H8) and APC-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)(red), or 0.25 ug Isotype Control (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).