

For Research Use Only

ZO-3 Recombinant monoclonal antibody

Catalog Number:87266-1-RR



Basic Information

Catalog Number:

87266-1-RR

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG5585

GenBank Accession Number:

NM_001267560.1

GeneID (NCBI):

27134

UNIPROT ID:

O95049-1

Full Name:

tight junction protein 3 (zona occludens 3)

Calculated MW:

101 kDa

Observed MW:

140 kDa

Purification Method:

Protein A purification

CloneNo.:

252499G11

Recommended Dilutions:

WB: 1:5000-1:50000

IP: 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

Applications

Tested Applications:

WB, IP, ELISA

Species Specificity:

human

Positive Controls:

WB : HT-29 cells, HCT 116 cells, Caco-2 cells

IP : HT-29 cells,

Background Information

Tight junction (or zonula occludens) forms the continuous intercellular barrier between epithelial and endothelial cells, which is required to separate tissue spaces and regulate selective movement of solutes across the epithelium and endothelium (PMID: 20066090). ZO-3 (also known as TJP3) is a key scaffold protein of tight junctions. ZO-3 belongs to a family of multidomain proteins known as the membrane-associated guanylate kinase homologs (MAGUKs). ZO-3 regulates the stability of Cyclin D1, thereby influencing the proliferation of epithelial cells (PMID: 21411630).

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

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

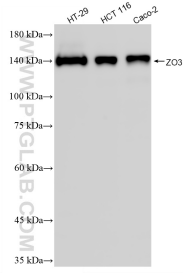
T: 4006900926

E: Proteintech-CN@ptglab.com

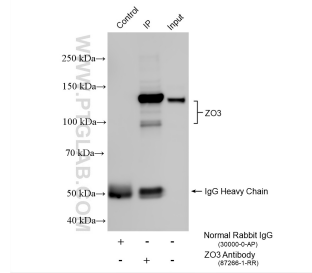
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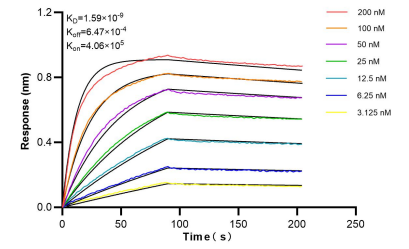
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 87266-1-RR (ZO-3 antibody) at a dilution of 1:10000 incubated at room temperature for 1.5 hours.



IP result of anti-ZO-3 (IP:87266-1-RR, 4 μ g; Detection:87266-1-RR 1:2000) with HT-29 cells lysate 1760 μ g.



Biolayer interferometry (BLI) kinetic assays of 87266-1-RR against Human ZO-3 were performed. The affinity constant is 1.59 nM.