

For Research Use Only

ZO-3 Polyclonal antibody, PBS Only

Catalog Number: 22116-1-PBS



Basic Information

Catalog Number:

22116-1-PBS

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG17495

GenBank Accession Number:

BC108906

GeneID (NCBI):

27134

UNIPROT ID:

O95049

Full Name:

tight junction protein 3 (zona occludens 3)

Calculated MW:

952 aa, 105 kDa

Observed MW:

140 kDa

Purification Method:

Antigen affinity purification

Applications

Tested Applications:

WB, IP, Indirect ELISA

Species Specificity:

human

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 -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS only, pH7.3

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

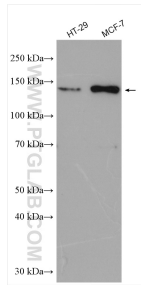
T: 4006900926

E: Proteintech-CN@ptglab.com

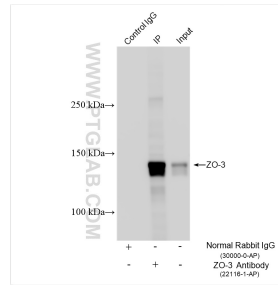
W: ptgcn.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 22116-1-AP (ZO-3 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 22116-1-PBS in a different storage buffer formulation.



IP result of anti-ZO-3 (IP:22116-1-AP, 4ug; Detection:22116-1-AP 1:1000) with HT-29 cells lysate 1760 ug. This data was developed using the same antibody clone with 22116-1-PBS in a different storage buffer formulation.