

For Research Use Only

# ZO-3 Polyclonal antibody, PBS Only

Catalog Number: 22116-1-PBS



## Basic Information

<b>Catalog Number:</b> 22116-1-PBS	<b>GenBank Accession Number:</b> BC108906	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 100ug , Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 27134	
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> O95049	
<b>Isotype:</b> IgG	<b>Full Name:</b> tight junction protein 3 (zona occludens 3)	
<b>Immunogen Catalog Number:</b> AG17495	<b>Calculated MW:</b> 952 aa, 105 kDa	
	<b>Observed MW:</b> 140 kDa	

## 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.

**Storage Buffer:**  
PBS only, pH7.3

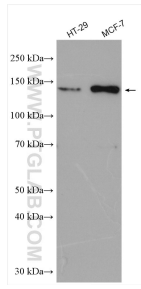
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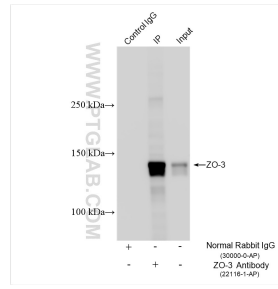
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## Selected Validation Data



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.