

## Anti - ZO1 tight junction protein Rabbit pAb

GB111402 100µL -20°C

### Product Information

<b>Description</b>	ZO1 tight junction protein rabbit polyclonal antibody
<b>Protein full name</b>	Tight junction protein ZO-1
<b>Synonyms</b>	TJP1, ZO-1, Tight junction protein 1
<b>Immunogen</b>	KLH conjugated Synthetic peptide corresponding to Human ZO-1
<b>Isotype</b>	IgG
<b>Purity</b>	Affinity purification
<b>Subcellular location</b>	Cell membrane, Cell junction
<b>Predicted MW.</b>	195 kDa
<b>Observed MW.</b>	220 kDa
<b>Uniprot ID</b>	Q07157, P39447

### Applications

Applications	Species	Dilution	Positive Sample
WB	Human,	1: 500-1: 1000	HEK293, HT29, HepG2, MCF-7, A431
	Mouse		
IHC/IF	Human,	1: 500-1: 1000	jejunum, kidney, small intestine
	Mouse, Rat		

### Background

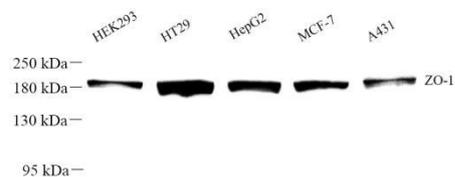
Tight junction (or zonula occludens) form the continuous intercellular barrier between epithelial and endothelial cells, which is required to separate tissue spaces and regulate selective movement of solutes across the epithelium and endothelium. ZO-1 is a peripheral membrane phosphoprotein located on the cytoplasmic face and is expressed in tight junctions of both epithelial and endothelial cells. It binds the transmembrane proteins occludin and the claudins linking them to cytoskeletal actin. ZO-1 belongs to a family of multidomain proteins known as the membrane-associated guanylate kinase homologs (MAGUKs). It is a pivotal tight junction protein and may be involved in signalling mechanisms regulating cell proliferation and differentiation.

### Storage

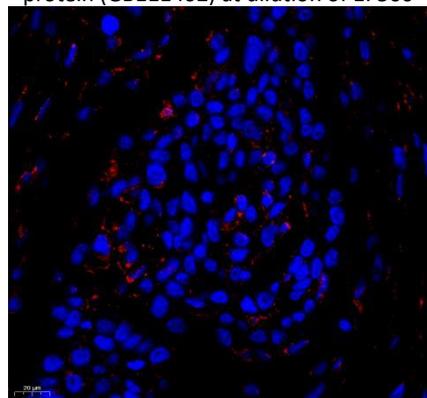
<b>Storage</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
<b>Storage Buffer</b>	PBS with 0.02% sodium azide, 100 µg/ml BSA and 50% glycerol.

**NOTE:** 1. This product is intended for research only.  
2. This product is recommended to dilute with the Primary Antibody Dilution Buffer.

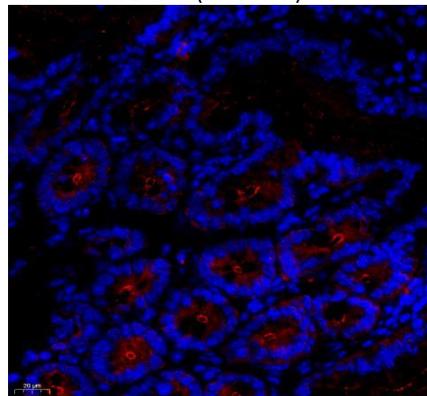
### Images



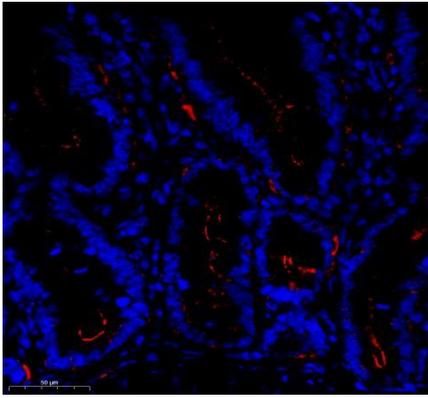
Western blot analysis of ZO1 tight junction protein (GB111402) at dilution of 1: 500



Immunofluorescence of paraffin embedded human kidney using ZO-1 (GB111402) at dilution of 1: 500 (400x lens)



Immunofluorescence of paraffin embedded mouse jejunum using ZO-1 (GB111402) at dilution of 1: 500 (400x lens)



Immunofluorescence of paraffin embedded rat small intestine using ZO-1 (GB111402) at dilution of 1: 500 (350x lens)