For Research Use Only

CoraLite® Plus 488-conjugated ZO-1 Polyclonal antibody

Catalog Number:CL488-21773

Featured Product



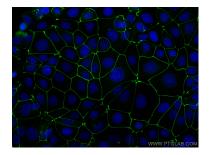


Basic Information	Catalog Number: CL488-21773	GenBank Accession Number: BC111712	Purification Method: Antigen affinity purification	
	Size: 100ul, Concentration: 1000 ug/ml by Nanodrop; Source: Rabbit Isotype: IgG	GeneID (NCBI): 7082 UNIPROT ID: Q07157 Full Name: tight junction protein 1 (zona occludens 1)	Recommended Dilutions: IF/ICC: 1:50-1:500 FC (Intra): 0.40 ug per 10^6 cells in a 100 µl suspension Excitation/Emission maxima wavelengths: 493 nm / 522 nm	
	Immunogen Catalog Number: AG16454	Calculated MW: 1748 aa, 195 kDa		
		Observed MW: 230 kDa		
Applications	Tested Applications:	Positive Controls:		
	IF/ICC, FC (Intra) Cited Applications:	IF/ICC : MCF-7 cells, HUVEC cells FC (Intra) : MCF-7 cells,		
	IHC, IF Species Specificity: human, mouse, rat, canine, hamster			
	Cited Creation			
	Cited Species: human, mouse			
Background Information	human, mouse Tight junction (or zonula occludens) f cells, which is required to separate ti and endothelium (PMID: 20066090). Z on the cytoplasmic face and is express It binds the transmembrane proteins ZO-1 belongs to a family of multidom	ssue spaces and regulate selective ZO-1 (also known as TJP1) is a per ssed in tight junctions of both epitl occludin and the claudins linking nain proteins known as the memb n protein and may be involved in	ipheral membrane phosphoprotein located helial and endothelial cells (PMID: 3528172) them to cytoskeletal actin (PMID: 17418867)	
	human, mouse Tight junction (or zonula occludens) f cells, which is required to separate ti and endothelium (PMID: 20066090). Z on the cytoplasmic face and is express It binds the transmembrane proteins ZO-1 belongs to a family of multidom (MAGUKs). It is a pivotal tight junctio proliferation and differentiation (PMI	ssue spaces and regulate selective ZO-1 (also known as TJP1) is a per ssed in tight junctions of both epitl occludin and the claudins linking nain proteins known as the memb n protein and may be involved in	e movement of solutes across the epithelium ipheral membrane phosphoprotein located helial and endothelial cells (PMID: 3528172) them to cytoskeletal actin (PMID: 17418867) rane-associated guanylate kinase homologs	
	human, mouse Tight junction (or zonula occludens) fr cells, which is required to separate tis and endothelium (PMID: 20066090). Z on the cytoplasmic face and is express It binds the transmembrane proteins ZO-1 belongs to a family of multidom (MAGUKs). It is a pivotal tight junctio proliferation and differentiation (PMI Author Pubr	ssue spaces and regulate selective ZO-1 (also known as TJP1) is a per ssed in tight junctions of both epit occludin and the claudins linking nain proteins known as the memb n protein and may be involved in D: 22782886).	e movement of solutes across the epithelium ipheral membrane phosphoprotein located helial and endothelial cells (PMID: 3528172) them to cytoskeletal actin (PMID: 17418867) rane-associated guanylate kinase homologs signalling mechanisms regulating cell Application	
	human, mouse Tight junction (or zonula occludens) fr cells, which is required to separate tis and endothelium (PMID: 20066090). Z on the cytoplasmic face and is express It binds the transmembrane proteins ZO-1 belongs to a family of multidom (MAGUKs). It is a pivotal tight junctio proliferation and differentiation (PMI Author Pubr Yuanyuan Zhu 3923	ssue spaces and regulate selective ZO-1 (also known as TJP1) is a per ssed in tight junctions of both epit occludin and the claudins linking nain proteins known as the memb n protein and may be involved in D: 22782886). med ID Journal	e movement of solutes across the epithelium ipheral membrane phosphoprotein located helial and endothelial cells (PMID: 3528172) them to cytoskeletal actin (PMID: 17418867) rane-associated guanylate kinase homologs signalling mechanisms regulating cell Application	
Background Information	human, mouseTight junction (or zonula occludens) frcells, which is required to separate tisand endothelium (PMID: 20066090). Zonon the cytoplasmic face and is expressIt binds the transmembrane proteinsZO-1 belongs to a family of multidom(MAGUKs). It is a pivotal tight junctioproliferation and differentiation (PMIAuthorPubrYuanyuan Zhu3923Yingqin Gao3878	ssue spaces and regulate selective ZO-1 (also known as TJP1) is a per ssed in tight junctions of both epiti occludin and the claudins linking nain proteins known as the memb n protein and may be involved in D: 22782886). med ID Journal 38009 J Nanobiotechnolo	e movement of solutes across the epithelium ipheral membrane phosphoprotein located helial and endothelial cells (PMID: 3528172) them to cytoskeletal actin (PMID: 17418867) rane-associated guanylate kinase homologs signalling mechanisms regulating cell Application ogy IF	
	human, mouseTight junction (or zonula occludens) frcells, which is required to separate tisand endothelium (PMID: 20066090). Zonon the cytoplasmic face and is expressIt binds the transmembrane proteinsZO-1 belongs to a family of multidom(MAGUKs). It is a pivotal tight junctioproliferation and differentiation (PMIAuthorPubrYuanyuan Zhu3923Yingqin Gao3878	ssue spaces and regulate selective ZO-1 (also known as TJP1) is a per ssed in tight junctions of both epit occludin and the claudins linking nain proteins known as the memb n protein and may be involved in D: 22782886). med ID Journal 38009 J Nanobiotechnolo 30281 Microbiol Spectr 28739 Mucosal Immunol	e movement of solutes across the epithelium ipheral membrane phosphoprotein located helial and endothelial cells (PMID: 3528172) them to cytoskeletal actin (PMID: 17418867) rane-associated guanylate kinase homologs signalling mechanisms regulating cell Application ogy IF IF	

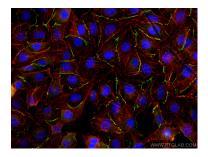
For technical support and original validation data for this product please contact:T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free
in USA), or 1(312) 455-8498 (outside USA)E: proteintech@ptglab.comW: ptglab.comW: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

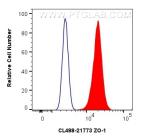
Selected Validation Data



Immunofluorescent analysis of (-20°C Methanol) fixed MCF-7 cells using CoraLite® Plus 488 ZO-1 antibody (CL488-21773) at dilution of 1:200.



Immunofluorescent analysis of (4% PFA) fixed HUVEC cells using CoraLite® Plus 488 ZO-1 antibody (CL488-21773) at dilution of 1:200.



1x10^6 MCF-7 cells were intracellularly stained with 0.4 ug Coralite® Plus 488-conjugated ZO-1 Polyclonal antibody (CL488-21773)(red), or 0.4 ug Coralite® Plus 488-conjugated Rabbit IgC control Rabbit PolyAb (CL488-30000) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).