For Research Use Only

ZO-1 Monoclonal antibody

Catalog Number:66452-1-lg Featured Product 80 Publications



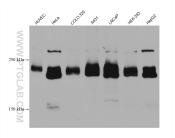


Basic Information	Catalog Number: 66452-1-lg	GenBank Accession Number: BC111712	Purification Method: Protein G purification	
	Concentration: 2000 ug/ml	GeneID (NCBI): 7082	CloneNo.: 1G4A1	
	Source:	UNIPROT ID:	Recommended Dilutions:	
	Mouse	Q07157	WB 1:1000-1:6000	
	Isotype: IgG1 Immunogen Catalog Number: AG16454	Full Name: tight junction protein 1 (zona	IHC 1:200-1:800 IF-P 1:200-1:800	
		occludens 1)	IF/ICC 1:400-1:1600	
		Calculated MW: 1748 aa, 195 kDa		
		Observed MW: 230 kDa		
Applications	Tested Applications:	Positive (Positive Controls:	
	WB, IHC, IF/ICC, IF-P, ELISA Cited Applications:	d Applications: cells, LNCaP cells, HEK-293 cells, HepG2 cells		
	WB, IHC, IF Species Specificity:	IHC : hum cancer tis	an pancreas cancer tissue, human prostate	
	human, canine		an breast cancer tissue.	
	Cited Species: human, pig		IF/ICC : MCF-7 cells, MDCK cells	
	Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0			
		l with citrate		
Background Information	buffer pH 6.0 Tight junction (or zonula occluder cells, which is required to separat and endothelium (PMID: 2006609 on the cytoplasmic face and is ex It binds the transmembrane prote ZO-1 belongs to a family of multi	ns) form the continuous intercellular b e tissue spaces and regulate selective 0). ZO-1 (also known as TJP1) is a per pressed in tight junctions of both epit ins occludin and the claudins linking domain proteins known as the memb ction protein and may be involved in	e movement of solutes across the epitheliu ipheral membrane phosphoprotein locate helial and endothelial cells (PMID: 352817 them to cytoskeletal actin (PMID: 1741886	
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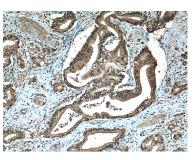
For technical support and original validation data for this product please contact: T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

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

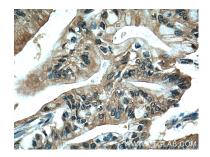
Selected Validation Data



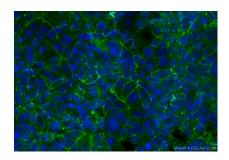
Various lysates were subjected to SDS PAGE followed by western blot with 66452-1-ig (ZO-1 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



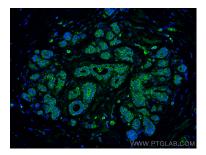
Immunohistochemical analysis of paraffinembedded human pancreas cancer tissue slide using 66452-1-Ig (ZO-1 antibody) at dilution of 1:400 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



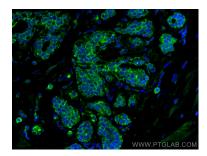
Immunohistochemical analysis of paraffinembedded human pancreas cancer tissue slide using 66452-1-Ig (ZO-1 antibody) at dilution of 1:400 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Methanol) fixed MCF-7 cells using ZO-1 antibody (66452-1-lg, Clone: 1G4A1) at dilution of 1:800 and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L) (SA00013-1).



Immunofluorescent analysis of (4% PFA) fixed human breast cancer tissue using ZO-1 antibody (66452-1-Ig, Clone: 1G4A1) at dilution of 1:400 and Coralite@488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



Immunofluorescent analysis of (4% PFA) fixed human breast cancer tissue using ZO-1 antibody (66452-1-1g, Clone: 1G4A1) at dilution of 1:400 and CoraLite@488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).