For Research Use Only

ZO-1 Polyclonal antibody

Catalog Number:21773-1-AP

Featured Product

1036 Publications



Basic Information	Catalog Number: GenBank Accession Nu 21773-1-AP BC111712		cession Number:	Purification Method: Antigen affinity purification	
	Size: 150ul , Concentration: 1000 µg/ml Nanodrop; Source: Rabbit Isotype: IgG Immunogen Catalog Number: AG16454	UNIPROT ID Q07157 Full Name:	n protein 1 (zona 4W:	Recommended Dilutions: WB 1:5000-1:50000 IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate IHC 1:1000-1:4000 IF 1:100-1:2000	
		Observed M 230 kDa	W:		
Applications	WB, IP, IF, FC, ELISA N Cited Applications: G WB, IF, FC, RIP, ELISA E		Positive Co	Positive Controls: WB : A549 cells, HEK-293 cells, COLO 320 cells, HT-29 cells, HUVEC cells, HepG2 cells, mouse brain tissue, rat brain tissue, MCF-7 cells, Caco-2 cells, HeLa cells, K- 562 cells	
			cells, HUVE brain tissue		
	human, canine, mouse, rat, hamster		-	IP : HEK-293 cells,	
	Cited Species: human, goat, chicken, rat, mouse, rabbit, pig, canine, bovine			IHC : mouse kidney tissue,	
			e, IF : MCF-7 (IF : MCF-7 cells, MDCK cells, HUVEC cells	
	Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0				
Background Information	cells, which is required to separate and endothelium (PMID: 20066090 on the cytoplasmic face and is expu It binds the transmembrane proteir ZO-1 belongs to a family of multid	tissue spaces a). ZO-1 (also kno ressed in tight ju ns occludin and omain proteins ion protein and	nd regulate selective i pwn as TJP1) is a perip unctions of both epithe the claudins linking th known as the membra may be involved in si	rrier between epithelial and endothelial movement of solutes across the epithelium oheral membrane phosphoprotein located elial and endothelial cells (PMID: 3528172). nem to cytoskeletal actin (PMID: 17418867). Ine-associated guanylate kinase homologs gnaling mechanisms regulating cell	
Notable Publications	Author Pu	bmed ID	Journal	Application	
		003577	Mar Drugs	WB	
	,	396738	J Thorac Cardiovasc		
	Susu Lin 36	169685	Psychopharmacolog	ry (Berl)	
Storage	Storage: Store at -20°C. Stable for one year a Storage Buffer: PBS with 0.02% sodium azide and 2	50% glycerol pł	17.3.		
*** 20ul sizes contain 0.1% BSA	Aliquoting is unnecessary for -20 $^{\circ}$ C	storage			
For technical support and original validation da	ta for this product please contact:		This product i	is exclusively available under Proteintech	

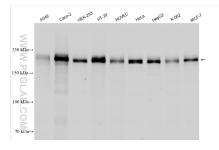
For technical support and original validation data for this product please contact: T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

E: proteintech@ptglab.com W: ptglab.com

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

Selected Validation Data

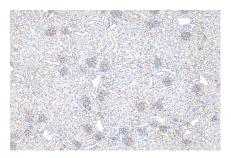
temperature for 1.5 hours.



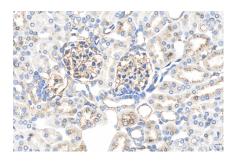
Various lysates were subjected to SDS PAGE followed by western blot with 21773-1-AP (ZO-1 antibody) at dilution of 1:10000 incubated at room

200 KDa--150 KDa--100 KDa--+ - - Normal Rated IgG + + - 200 KDa

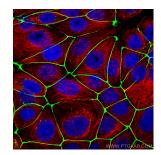
IP result of anti-ZO-1 (IP:21773-1-AP, 4ug; Detection:21773-1-AP 1:500) with HEK-293 cells lysate 2320 ug.



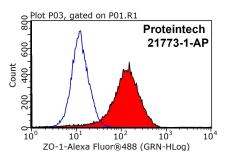
Immunohistochemical analysis of paraffinembedded mouse kidney tissue slide using 21773-1-AP (ZO-1 antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffinembedded mouse kidney tissue slide using 21773-1-AP (ZO-1 antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed MCF-7 cells using ZO-1 antibody (21773-1-AP) at dilution of 1:2000 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), Alpha Tubulin antibody (66031-1-Ig, Clone: 1E4C11, red).



1X10^6 MCF-7 cells were stained with 0.2ug ZO-1 antibody (21773-1-AP, red) and control antibody (blue). Fixed with 90% MeOH blocked with 3% BSA (30 min). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1000.