

À des fins de recherche uniquement

Anticorps Polyclonal de lapin anti-ZO-1



Numéro de catalogue: 21773-1-AP

Phare

866 Publications

Informations de base

Numéro de catalogue:

21773-1-AP

Taille:

150ul, Concentration: 800 µg/ml by Nanodrop;

Hôte:

Lapin

Isotype:

IgG

Immunogen Catalog Number:

AG16454

Numéro d'acquisition GenBank:

BC111712

Identification du gène (NCBI):

7082

Nom complet:

tight junction protein 1 (zona occludens 1)

MW calculé

1748 aa, 195 kDa

MW observés:

230 kDa

Méthode de purification:

Purification par affinité contre l'antigène

Dilutions recommandées:

WB 1:5000-1:50000

IP 0.5-4.0 ug for IP and 1:500-1:1000 for WB

IF 1:1000-1:4000

Applications

Applications testées:

FC, IF, IP, WB, ELISA

Demandes citées:

FC, IF, WB

Spécificité de l'espèce:

canin, Humain, rat, souris, Hamster

Espèces citées:

bovin, canin, Humain, Lapin, porc, poulet, rat, souris

Contrôles positifs:

WB : cellules A549, cellules Caco-2, cellules COLO 320, cellules HEK-293, cellules HeLa, cellules HepG2, cellules HT-29, cellules HUVEC, cellules K-562, cellules MCF-7, tissu cérébral de rat, tissu cérébral de souris

IP : cellules HEK-293,

IF : cellules MCF-7, cellules HUVEC, cellules MDCK

Informations générales

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 (PMID: 20066090). ZO-1 (also known as TJP1) is a peripheral membrane phosphoprotein located on the cytoplasmic face and is expressed in tight junctions of both epithelial and endothelial cells (PMID: 3528172). It binds the transmembrane proteins occludin and the claudins linking them to cytoskeletal actin (PMID: 17418867). 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 signaling mechanisms regulating cell proliferation and differentiation (PMID: 22782886).

Publications notables

Autrice	Pubmed ID	Journal	Application
Yuanyuan Li	33003577	Mar Drugs	WB
Mingyue Liu	30396738	J Thorac Cardiovasc Surg	WB
Susu Lin	36169685	Psychopharmacology (Berl)	IHC

Stockage

Stockage:

Stocker à -20°C. Stable pendant un an après l'expédition.

Tampon de stockage:

PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3

L'aliquotage n'est pas nécessaire pour le stockage à -20C

*** Les 20ul contiennent 0,1% de BSA.

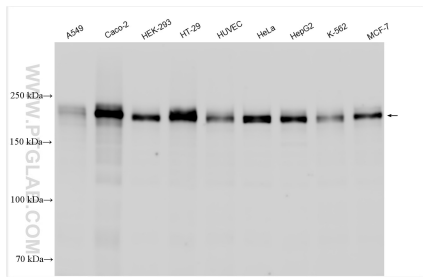
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

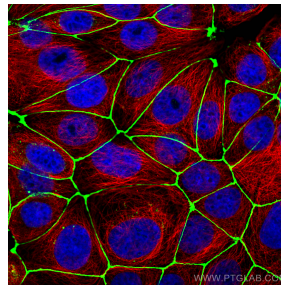
E: proteintech@ptglab.com
W: ptglab.com

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

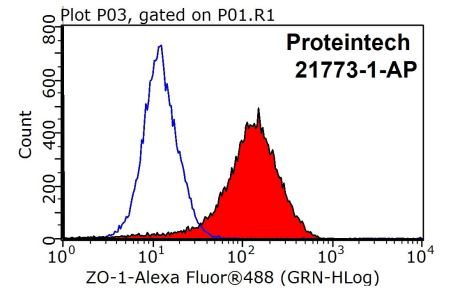
Données de validation sélectionnées



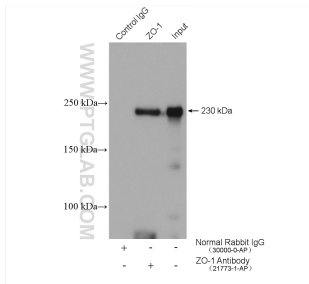
Various lysates were subjected to SDS PAGE followed by western blot with 21773-1-AP (ZO-1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



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).



1×10^6 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.



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