

Nur für Forschungszwecke

ZO-1 Polyklonaler Antikörper

Katalog-Nr.: 21773-1-AP

Vorgestelltes Produkt

798 Publikationen



Allgemeine Informationen

Katalog-Nr.:
21773-1-AP

Größe:
150ul, Konzentration: 800 µg/ml von
Nanodrop;

Wirt:
Kaninchen

Isotyp:
IgG

Immunogen Katalognummer:
AG16454

GenBank-Zugangsnummer:
BC111712

GeneID (NCBI):
7082

Vollständiger Name:
tight junction protein 1 (zona
occludens 1)

Berechnete Masse:
1748 aa, 195 kDa

Beobachtete Masse:
230 kDa

Reinigungsmethode:

Antigen-Affinitätsreinigung

Empfohlene Verdünnungen:

WB 1:5000-1:50000

IP 0.5-4.0 µg für IP und 1:500-1:1000
für WB

IF 1:1000-1:4000

Anwendungen

Geprüfte Anwendungen:

FC, IF, IP, WB, ELISA

In Publikationen genannte Anwendungen:

FC, IF, WB

Getestete Reaktivität:

Hamster, Human, Hund, Maus, Ratte

Zitierte Arten:

Hausschwein, Huhn, Human, Hund, Kaninchen, Maus,
Ratte, Rind

Positivkontrollen:

WB: A549-Zellen, Caco-2-Zellen, COLO 320-Zellen,
HEK-293-Zellen, HeLa-Zellen, HepG2-Zellen, HT-29-
Zellen, HUVEC-Zellen, K-562-Zellen, Maushirngewebe,
MCF-7-Zellen, Rattenhirngewebe

IP: HEK-293-Zellen,

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

Hintergrundinformationen

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 signalling mechanisms regulating cell proliferation and differentiation (PMID: 22782886).

Bemerkenswerte Veröffentlichungen

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

Lagerung

Lagerungsbedingungen:

Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil

Lagerungspuffer:

PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.

Aliquotieren ist nicht notwendig bei -20°C Lagerung

*** 20ul-Größen enthalten 0.1% BSA

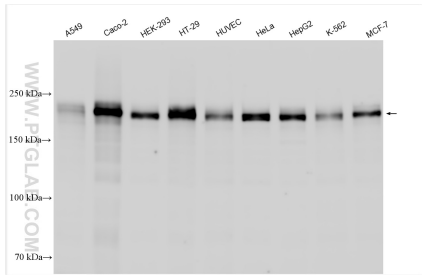
For technical support and original validation data for this product please contact:

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

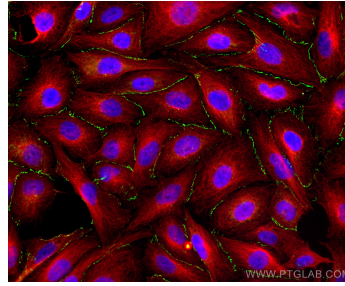
E: proteintech@ptglab.com
W: ptglab.com

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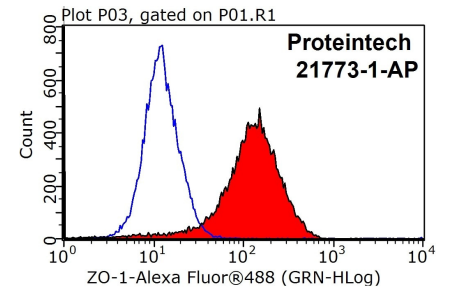
Ausgewählte Validierungsdaten



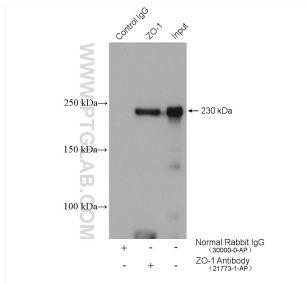
Various lysates were subjected to SDS PAGE followed by western blot with 21773-1-AP (ZO-1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed HUVEC 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).



1X10⁶ 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.