

Rabbit ZO 1 Polyclonal Antibody | anti-ZO-1 antibody

ZO 1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA31075	Rabbit	Human, Mouse, Rat, Pig, Monkey	Western Blot, Immunohistochemistry, Immunofluorescence, Immunocytochemistry

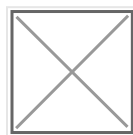
PRODUCT SYNONYMS

ZO 1; Polyclonal Antibody; ZO 1 Antibody; Tight junction protein 1; Tight junction protein ZO-1; Tight junction protein ZO1; TJP1; Zo1; ZO1_HUMAN; Zona occludens 1; Zona occludens 1 protein; Zona occludens protein 1; Zonula occludens 1 protein; Zonula occludens protein 1; anti-ZO-1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat, Pig, Monkey
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin
Form/Format	Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	~1mg/ml (varies by lot)
Sequence Length	1748
Applicable Applications for anti-ZO-1 antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence), ICC (Immunocytochemistry)
Application Notes	WB: 1:500-1:2000 IHC: 1:50-1:200 IF/ICC: 1:100-1:500 The optimal dilutions to be determined by the end user. For western blot, incubate membrane with diluted primary Ab in 5% w/v milk , 1X TBS, 0.1% Tween@20 at 4°C with gentle shaking, overnight.
Immunogen	A synthesized peptide derived from human ZO 1, corresponding to a region within the internal amino acids.
Preparation and Storage	Store at -20°C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of ZO-1 using various lysates. Lanes 1 - 2: Merged signal (red and green). Green - AAA31075 observed at 195 kDa. Red - loading control, observed at 55 kDa. Blots were developed with Goat Anti- Rabbit IgG(H+L) FITC-conjugated and Goat Anti-Mouse IgG(H+L) Alexa Fluor 594-conjugated secondary antibodies

ADDITIONAL INFORMATION

Related Product Information for anti-ZO-1 antibody	The N-terminal may be involved in transducing a signal required for tight junction assembly, while the C-terminal may have specific properties of tight junctions. The alpha domain might be involved in stabilizing junctions.
--	---

References	Hui-Fang Wang, Jing-XueMa, Qing-LiShang, Jian-BinAn, Hai-TingChen; Journal: EUR J PHARMACOL. Crocetin inhibits the proliferation, migration and TGF-beta 2-induced epithelial-mesenchymal transition of retinal pigment epithelial cells. Wang J, Lu J, Xie X, Xiong J, Huang N, Wei H, Jiang S, Peng J; Journal: Int Immunopharmacol. Blend of organic acids and medium chain fatty acids prevents the inflammatory response and intestinal barrier dysfunction in mice challenged with enterohemorrhagic Escherichia coli O157:H7. Zou Y, Xiang Q, Wang J, Peng J, Wei H; Journal: Biomed Res Int. Oregano Essential Oil Improves Intestinal Morphology and Expression of Tight Junction Proteins Associated with Modulation of Selected Intestinal Bacteria and Immune Status in a Pig Model.
------------	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	116875767
NCBI GeneID	7082
NCBI Accession #	NP_003248.3
NCBI GenBank Nucleotide #	NM_003257.4
UniProt Accession #	Q07157; Q2NKP3; Q4ZGJ6; B4E3K1
Molecular Weight	195 kDa
NCBI Official Full Name	tight junction protein ZO-1 isoform a
NCBI Official Synonym Full Names	tight junction protein 1
NCBI Official Symbol	TJP1
NCBI Official Synonym Symbols	ZO-1
NCBI Protein Information	tight junction protein ZO-1
UniProt Protein Name	Tight junction protein ZO-1
UniProt Gene Name	TJP1
UniProt Synonym Gene Names	ZO1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.