

Rabbit anti-Human ZO1 Polyclonal Antibody | anti-TJP1 antibody

ZO1 Antibody (C-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA287346	Rabbit	Human	Immunohistochemistry, Western Blot, ELISA, Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

ZO1; Polyclonal Antibody; ZO1 Antibody (C-term); Tight junction protein ZO-1; Tight junction protein 1; Zona occludens protein 1; Zonula occludens protein 1; TJP1; anti-TJP1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This ZO1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1570-1600 amino acids from the C-terminal region of human ZO1.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	1570-1600
Sequence Length	1,668
Applicable Applications for anti-TJP1 antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA, FCM/FACS (Flow Cytometry)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



FCM/FACS (Flow Cytometry)

ZO1 Antibody (C-term) flow cytometric analysis of K562 cells (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohistochemistry)

ZO1 Antibody (C-term) IHC analysis in formalin fixed and paraffin embedded lung carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the ZO1 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)

Western blot analysis of ZO1 Antibody (C-term) in K562 cell line lysates (35ug/lane). ZO1 (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-TJP1 antibody	ZO1 encodes a protein located on a cytoplasmic membrane surface of intercellular tight junctions. The encoded protein may be involved in signal transduction at cell-cell junctions.
References	Ohira, M., et al. Int. J. Mol. Med. 24(6):829-835(2009) Hirakawa, H., et al. Int. J. Oncol. 35(6):1271-1276(2009) Meerschaert, K., et al. Cell. Mol. Life Sci. 66(24):3951-3966(2009) Kirschner, N., et al. Am. J. Pathol. 175(3):1095-1106(2009)

NCBI AND UNIPROT INFORMATION

NCBI GI #	116875767
NCBI GeneID	7082
NCBI Accession #	NP_003248.3; NP_783297.2
NCBI GenBank Nucleotide #	NM_003257.4
UniProt Accession #	Q07157; Q2NKP3; Q4ZGJ6; B4E3K1
Molecular Weight	195459
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
UniProt Entry Name	ZO1_HUMAN

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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/zo1-antibody-immunohistochemistry-western-blot-flow-cytometry-elisa/287346>