

Rabbit ZO1 Polyclonal Antibody | anti-TJP1 antibody

ZO1 Polyclonal Antibody

CATALOG # AAA36717	HOST Rabbit	APPLICATIONS Immunofluorescence, Immunohistochemistry, Western Blot
------------------------------	-----------------------	---

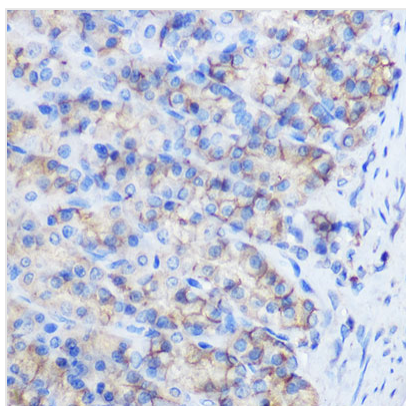
PRODUCT SYNONYMS

ZO1; Polyclonal Antibody; ZO1 Polyclonal Antibody; TJP1; DKFZp686M05161; MGC133289; ZO-1; anti-TJP1 antibody

PRODUCT SPECIFICATIONS

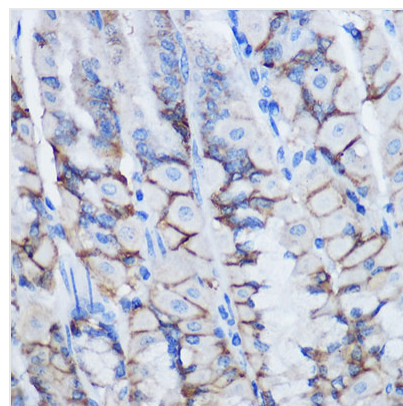
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purification
Form/Format	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Concentration	1mg/ml (varies by lot)
Sequence Length	1748
Applicable Applications for anti-TJP1 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Category	Primary antibody
Immunogen	A synthetic peptide corresponding to a sequence within amino acids 1600-1700 of human ZO-1 (NP_003248.3)
Cross-Reactivity	Human, Mouse, Rat
Preparation and Storage	Store at -20 degree C. Avoid freeze / thaw cycles. Buffer: PBS with 0.09% Sodium azide, 50% glycerol, pH7.3.

IMAGES



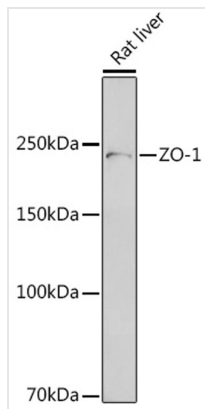
IHC (Immunohistochemistry)

Immunohistochemistry of paraffinembedded Rat stomach using ZO-1 antibody (AAA36717) at dilution of 1:100 (40xlens).



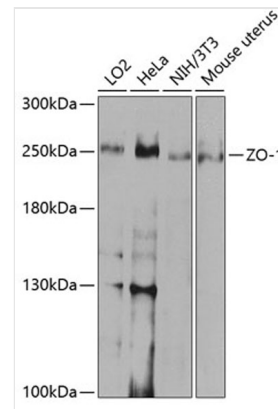
IHC (Immunohistochemistry)

Immunohistochemistry of paraffinembedded Mouse stomach using ZO-1 antibody (AAA36717) at dilution of 1:100 (40xlens).



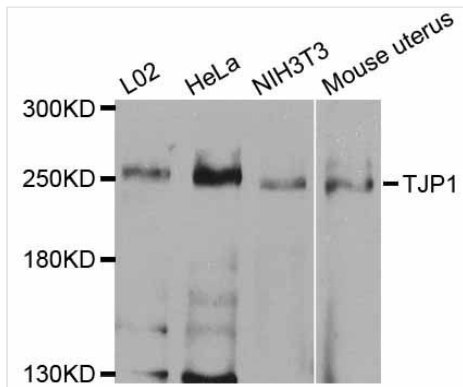
WB (Western Blot)

Western blot analysis of extracts of Rat liver, using ZO-1 antibody (AAA36717) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 30s.



WB (Western Blot)

Western blot analysis of extracts of various cell lines, using ZO-1 antibody (AAA36717) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Enhanced Kit (RM00021). Exposure time: 15s.



WB (Western Blot)

Western blot analysis of extracts of various cell lines, using TJP1 antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Enhanced Kit. Exposure time: 15s.

ADDITIONAL INFORMATION

Related Product Information for anti-TJP1 antibody

Tight junctions, or zona occludens, form a continuous barrier to fluids across the epithelium and endothelium. They function in regulation of paracellular permeability and in the maintenance of cell polarity, blocking the movement of transmembrane proteins between the apical and the basolateral cell surfaces (reviewed in 1). Zona occludens proteins ZO-1, -2, and -3 (also known as TJP1, 2, and 3) are peripheral membrane adaptor proteins that link junctional transmembrane proteins such as occludin and claudin to the actin cytoskeleton (reviewed in 2). ZO-1 and -2 are required for tight junction formation and function (3,4). In subconfluent proliferating cells, ZO-1 and ZO-2 have been shown to colocalize to the nucleus and play a role in transcriptional regulation, possibly through facilitating nuclear import/export of transcriptional regulators (5-7). The ZO-2 gene is transcribed from two promoters, generating the ZO-2A and ZO-2C isoforms. ZO-2C lacks a 23 amino acid amino-terminal sequence found in other ZO-2 isoforms. While both isoforms appear to be widely expressed, abnormal regulation of the ZO-2 gene may be correlated with development of ductal cancer (8).

Product Categories/Family for anti-TJP1 antibody

Polyclonal

NCBI AND UNIPROT INFORMATION

NCBI GI #	85700443
NCBI GeneID	7082
UniProt Accession #	Q07157; Q2NKP3; Q4ZGJ6; B4E3K1

Molecular Weight	Observed MW: 250kDa Calculated MW: 186kDa/195kDa
NCBI Official Full Name	Tight junction protein ZO-1
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; zona occludens 1; zonula occludens 1 protein
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/polyclonal/zo1-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/36717>