

bsm-42209R**[Primary Antibody]**

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TJP1 | ZO-1 Recombinant Rabbit mAb**— DATASHEET —****Host:** Rabbit**Isotype:** IgG**Clonality:** Recombinant**CloneNo.:** 9E12**GeneID:** 7082**SWISS:** Q07157**Target:** TJP1 | ZO-1**Immunogen:** Recombinant human ZO-1 protein: 24-245/1748.**Purification:** affinity purified by Protein A**Concentration:** 1mg/ml

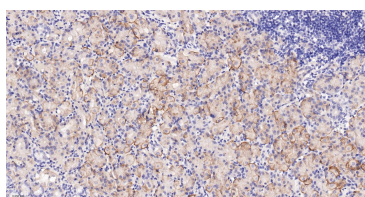
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: This gene encodes a member of the membrane-associated guanylate kinase (MAGUK) family of proteins, and acts as a tight junction adaptor protein that also regulates adherens junctions. Tight junctions regulate the movement of ions and macromolecules between endothelial and epithelial cells. The multidomain structure of this scaffold protein, including a postsynaptic density 95/disc-large/zona occludens (PDZ) domain, a Src homology (SH3) domain, a guanylate kinase (GuK) domain and unique (U) motifs all help to co-ordinate binding of transmembrane proteins, cytosolic proteins, and F-actin, which are required for tight junction function. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Aug 2017]

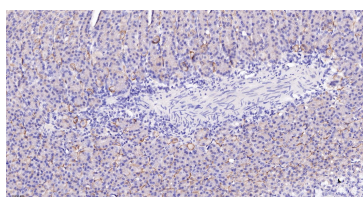
Applications: IHC-P (1:200-500)**IHC-F** (1:200-500)**IF** (1:200-500)**Flow-Cyt** (1ug/Test)**ICC/IF** (1:100-200)**Reactivity:** Human, Mouse, Rat

Predicted
MW.: 191 kDa

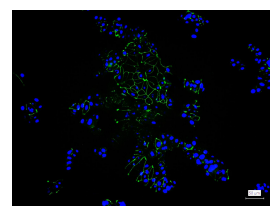
Subcellular
Location: Cell membrane ,Cytoplasm

— VALIDATION IMAGES —

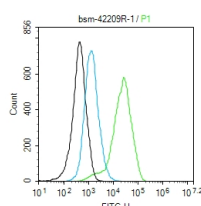
Paraformaldehyde-fixed, paraffin embedded Human Stomach; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with ZO-1/TJP1 Monoclonal Antibody, Unconjugated (bsm-42209R) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.



Paraformaldehyde-fixed, paraffin embedded Rat Stomach; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with ZO-1/TJP1 Monoclonal Antibody, Unconjugated (bsm-42209R) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.



4% Paraformaldehyde-fixed MCF-7 (H) cell; Triton X-100 at r.t. for 20 min; Antibody incubation with (ZO-1) monoclonal Antibody, unconjugated (bsm-42209R) 1:100, 90 min at 37°C; followed by conjugated Goat Anti-Rabbit IgG antibody (green, bs-60295G-BF488) at 37°C for 90 min, DAPI (blue, C02-04002) was used to stain the cell nuclei.



The MCF-7 (H) cells were incubated in 5%BSA to

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

block non-specific protein-protein interactions
(30 min at r.t.).Primary Antibody (green):Rabbit
Anti-ZO-1 antibody (bsm-42209R,1 :100) ;
Secondary Antibody (white blue): Goat anti-
Rabbit IgG-BF488 (bs-60295G-BF488): 1 µg/test.
Blank control (black): PBS. Acquisition of 20,000
events was performed.

— SELECTED CITATIONS —

- **[IF=6.6]** Zhengqun Liu. et al. Multi-Omics Insights into the Role of Dulcitol in Weaned Piglets' Growth Performance and Intestinal Health. ANTIOXIDANTS-BASEL. 2025 Nov;14(11):1346 WB ;Piglet. 41300502