



# ZO3 Polyclonal Antibody

|                           |                                                                                                                                                                                                                                                                                                                                                                                 |
|---------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Catalog No</b>         | BYab-06281                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Isotype</b>            | IgG                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Reactivity</b>         | Human;Mouse;Monkey                                                                                                                                                                                                                                                                                                                                                              |
| <b>Applications</b>       | WB;ELISA                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Gene Name</b>          | TJP3 ZO3                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Protein Name</b>       | Tight junction protein ZO-3 (Tight junction protein 3) (Zona occludens protein 3) (Zonula occludens protein 3)                                                                                                                                                                                                                                                                  |
| <b>Immunogen</b>          | Synthesized peptide derived from part region of human protein                                                                                                                                                                                                                                                                                                                   |
| <b>Specificity</b>        | ZO3 Polyclonal Antibody detects endogenous levels of protein.                                                                                                                                                                                                                                                                                                                   |
| <b>Formulation</b>        | Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.                                                                                                                                                                                                                                                                                                                  |
| <b>Source</b>             | Polyclonal, Rabbit,IgG                                                                                                                                                                                                                                                                                                                                                          |
| <b>Purification</b>       | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.                                                                                                                                                                                                                                                           |
| <b>Dilution</b>           | WB 1:500-2000 ELISA 1:5000-20000                                                                                                                                                                                                                                                                                                                                                |
| <b>Concentration</b>      | 1 mg/ml                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Purity</b>             | ≥90%                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Storage Stability</b>  | -20°C/1 year                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Synonyms</b>           |                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Observed Band</b>      | 102kD                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Cell Pathway</b>       | Cell membrane ; Peripheral membrane protein ; Cytoplasmic side . Cell junction, tight junction . Nucleus . Exhibits predominant nuclear expression in proliferating cells but is exclusively junctionally expressed after confluence is reached (PubMed:23608536). Shows an epithelial-specific tight junction localization in a TJP1/TJP2-dependent fashion (By similarity). . |
| <b>Tissue Specificity</b> | PCR rescued clones,Whole embryo,                                                                                                                                                                                                                                                                                                                                                |
| <b>Function</b>           | similarity:Belongs to the MAGUK family.,similarity:Contains 1 guanylate kinase-like domain.,similarity:Contains 1 PDZ (DHR) domain.,similarity:Contains 1 SH3 domain.,similarity:Contains 3 PDZ (DHR) domains.,subunit:Interacts with occludin, claudins and ZO-1. Interacts with INADL (By similarity). Interacts with UBN1.,                                                  |
| <b>Background</b>         | The protein encoded by this gene is a member of the membrane-associated guanylate kinase-like (MAGUK) protein family which is characterized by members having multiple PDZ domains, a single SH3 domain, and a single guanylate                                                                                                                                                 |

**Nanjing BYabscience technology Co.,Ltd**



kinase-like (GUK)-domain. In addition, members of the zonula occludens protein subfamily have an acidic domain, a basic arginine-rich region, and a proline-rich domain. The protein encoded by this gene plays a role in the linkage between the actin cytoskeleton and tight-junctions and also sequesters cyclin D1 at tight junctions during mitosis. Alternative splicing results in multiple transcript variants encoding distinct isoforms. This gene has a partial pseudogene on chromosome 1. [provided by RefSeq, May 2012],

**matters needing attention**

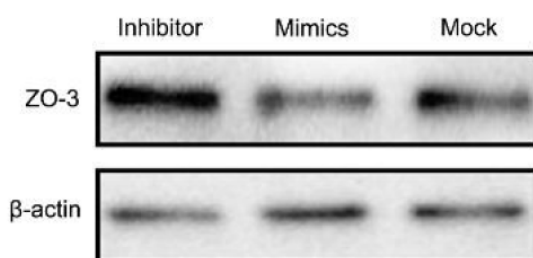
Avoid repeated freezing and thawing!

**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

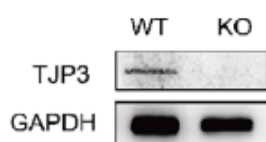
## Products Images

A



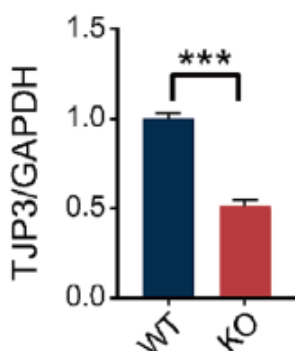
Exosomal miRNA-328-3p targets ZO-3 and inhibits porcine epidemic diarrhea virus proliferation Arch Virol. 2022 Mar;167(3):901-910. WB Monkey

C



Dietary fish oil improves autistic behaviors and gut homeostasis by altering the gut microbial composition in a mouse model of fragile X syndrome BRAIN BEHAVIOR AND IMMUNITY Peifeng Guo, Xinyu Yang, Xiaomeng Guo, Huaien Yang, Jiao Pan, Yue Li WB Mouse colon

D



F

Nanjing BYabscience technology Co.,Ltd