

Anti-ZO-1 tight junction protein Rabbit Monoclonal Antibody

Introduction

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.

Product parameters

| | |
|-------------------|---|
| Alternative Names | TJP1; ZO-1; tight junction protein 1 |
| Gene ID | 7082 |
| Gene Name | TJP1 |
| SwissProt ID | Q07157 |
| Host | Rabbit |
| Reactivity | Human |
| Molecular Weight | - |
| Conjugation | Unconjugated |
| Ex | - |
| Em | - |
| Modification | Unmodified |
| Clonality | IgG |
| Isotype | Monoclonal Antibody |
| Clonality No. | AP-6E3B4 |
| Form | Liquid |
| Concentration | See label |
| Carrier | Carrier Not Free |
| Immunogen | Recombinant protein of human ZO1 tight junction protein |
| Purification | Affinity Purified |
| Buffer System | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3. |
| Application | IHC-P |

| | |
|--------------------|----------------------------------|
| Dilution Ratio | IHC: 1/100-1/200 |
| Research Field | Tags & Cell Markers |
| Product Categories | Primary antibody |
| Shipping | Blue ice |
| Storage | -20°C |
| Expiration Date | 12 months |
| Note | Please avoid freeze-thaw cycles. |

Protocol

Configure the product according to the application range and recommended dilution ratio.

***Note:** The primary antibody dilution buffer options: WB - Primary Antibody Dilution Buffer (Cat. #: K1200, Not for HRP/AP conjugated antibodies), Immunostaining - Immunol Staining Primary Antibody Dilution Solution (Cat. #: K4655).

Note

1. This product is for scientific research use only.





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