

MaxPab®

# TJP1 purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00007082-B01P

Size 500 ug

## Specification

|                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
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| Product Description           | Mouse polyclonal antibody raised against a full-length human TJP1 protein.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Immunogen                     | TJP1 (ACE87388.1, 1 a.a. ~ 1692 a.a) full-length human protein.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Sequence                      | MERNTFSMDCHSKSTAMEETAWEQHTVTLHRAPGFGFGIAISGGRDNPHFQSGETSIVISDVLKG<br>GPAEGQLQENDRVAMVNGVSMDNVEHAFVQQLRKSGKNAKITIRKKKVQIPVSRPDPEPVSD<br>NEEDSYDEEIHDPGRSGVNRNRSEKMWPRDRSASRERSLSRPSDRRSVASSQPAKPTKVTLV<br>KSRKNEEYGLRLASHIFVKEISQDSLAAARDGNIQEGDVVLKINGTVTENMSLTDAKTLIERSKGKLG<br>MVGQRDERATLLNVPDLSDSIHSANASERDDISEIQSLASDHSGRSHDRPPRRSRSPDQRSE<br>PSDHSRHSPQQPSNGSLRSRDEERISKPGAVSTPVKHADDHTPKTVEEVTVRNEKQTPSLPEP<br>KPVYAQVGQPDVDLPVSPSDGVLPNSTHEDGILRPSMKLVKFRKGDSVGLRLAGGNDVGIFVAG<br>VLEDSPAAKEGLEEGDQILRVSNVDFTNIREEAVLFLDLPGKEEVTLAQKKKDVYRRIVESDVG<br>DSFYIRTHFEYEKESPYGLSFNKGEVFRVVDTLNGKLGSWLAIRIGKNHKEVERGIIPKNRAEQL<br>ASVQYTLPKTAGGDRADFWRFRGLRSSKRNLKKSREDLSAQPVQTKFPAYERVVLREAGFLRPV<br>TIFGPIADVAREKLAREEPDIYQIAKSEPRDAGTDQRSSGIIRLHTIKIIDQGKHALLDVTPNAVDRLN<br>YAQWYPMVFLNPDSKQGVKTMRLCLESRKSAKLYERSHKLKRNHHLFTTTINLNSMNDGW<br>YGALKEAIQQQQNQLVWVSEKADGATSDDLHDDRLSYLSAPGSEYSMYSTDSRHTSDYEDT<br>DTEGGAYTDQELDETLNDEVGTPPESAITRSSEPVEDSSGMHHENQTYPPYSPQAQPPQPIHRID<br>SPGFKPASQQVYRKDPYPEEMMRQNHVLKQPAVSHPGHRPDKEPNLTYPQLPYVEKQASRDL<br>EQPTYRYESSSYTDQFSRNYEHLRYEDRVPMYEEQWSYDDKQPYPSRPPFDNQHSQDLDSR<br>QHPEESSERGYFPRFEPPAPLSYDSRPRYEQAPRASALRHEEQPAPGYDTHGRLRPEAQPHPS<br>AGPKPAESKQYFEQYSRSYEQVPPQGFTSRAGHFEPLHGAAVPLIPSSQHKPEALPSNTKPL<br>PPPPTQTEEEEDPAMKPQSVLTRVKMFENKRSASLETKKDNDTGSFKPPEVASKPSGAPIIGP<br>KPTSQNFSEHDKTLRYVPEPQKPQLKPPEDIVRSNHYPDEEDEEYRKQLSYFDRRSFENKPP<br>AHIAASHLSEPAKLAHSQNSNFSSYSSKGKPEADGVDRSFGEKRYEPIQATPPPPPLPSQYA<br>QPSQPVTSASLHHSKGAHGEGNSVSLDFQNSLVSKPDPPPSQNKPATFRPPNREDTAQAAFYP<br>QKSFPDKAPVNGTEQTQKTVTPAYNRFTPKPYTSSARPFERKFESPKFNHNLPPSETAHKPDLS<br>KTPTSPKTLVKSHSLAQPPFEFDSGVETFSIHAEKPKYQINNISTVPKAIQVSPSAVEEDEDGHT<br>VVATARGIFNSNGGVLSSETGVSIIPQGAIEGVEQEYFKVCRDNSILPLDKEKGETLLSPLVMC<br>GPHGLKFLKPVELRLPHCASMTPAGWSFALKSSDSSSGDPKTWQNKRLPGDPNYLVGANCVS<br>VLIDHF |
| Host                          | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Reactivity                    | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Interspecies Antigen Sequence | Mouse (83); Rat (96)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

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|-------------------------|--------------------------------------------------------------------------|
| Quality Control Testing | Antibody reactive against mammalian transfected lysate.                  |
| Storage Buffer          | In 1x PBS, pH 7.4                                                        |
| Storage Instruction     | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing. |

## Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

## Gene Info — TJP1

|                     |                                                                                                                                                                                                                                                                                                        |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Entrez GeneID       | <a href="#">7082</a>                                                                                                                                                                                                                                                                                   |
| GeneBank Accession# | <a href="#">EU831947.1</a>                                                                                                                                                                                                                                                                             |
| Protein Accession#  | <a href="#">ACE87388.1</a>                                                                                                                                                                                                                                                                             |
| Gene Name           | TJP1                                                                                                                                                                                                                                                                                                   |
| Gene Alias          | DKFZp686M05161, MGC133289, ZO-1                                                                                                                                                                                                                                                                        |
| Gene Description    | tight junction protein 1 (zona occludens 1)                                                                                                                                                                                                                                                            |
| Omim ID             | <a href="#">601009</a>                                                                                                                                                                                                                                                                                 |
| Gene Ontology       | <a href="#">Hyperlink</a>                                                                                                                                                                                                                                                                              |
| Gene Summary        | This gene 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. Two transcript variants encoding distinct isoforms have been identified for this gene. [provided by RefSeq] |
| Other Designations  | OTTHUMP00000174520 tight junction protein 1 tight junction protein ZO-1 zona occludens 1 zonula occludens 1 protein                                                                                                                                                                                    |

## Pathway

- [Adherens junction](#)
- [Epithelial cell signaling in Helicobacter pylori infection](#)
- [Gap junction](#)

- [Tight junction](#)
- [Vibrio cholerae infection](#)