

## ARG56165 anti-ZO2 antibody

Package: 100 µl, 50 µl  
Store at: -20°C

### Summary

|                     |  |
|---------------------|--|
| Product Description | Rabbit Polyclonal antibody recognizes ZO2  |
| Tested Reactivity   | Hu, Ms   |
| Predict Reactivity  | Rat  |
| Tested Application  | WB   |
| Host                | Rabbit   |
| Clonality           | Polyclonal   |
| Isotype             | IgG  |
| Target Name         | ZO2  |
| Species             | Human  |
| Immunogen           | Recombinant protein of Human ZO-2.   |
| Conjugation         | Un-conjugated  |
| Alternate Names     | X104; DFNA51; Tight junction protein ZO-2; C9DUPq21.11; Zonula occludens protein 2; ZO2; Zona occludens protein 2; PFIC4; DUP9q21.11; Tight junction protein 2 |

### Application Instructions

|                   |  |                |
|-------------------|--|----------------|
| Application table | Application  | Dilution       |
|                   | WB   | 1:500 - 1:2000 |
| Application Note  | * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist. |                |
| Positive Control  | HepG2  |                |

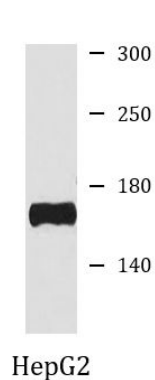
### Properties

|                     |   |
|---------------------|---|
| Form                | Liquid  |
| Purification        | Affinity purification with immunogen.   |
| Buffer              | PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.  |
| Preservative        | 0.02% Sodium azide  |
| Stabilizer          | 50% Glycerol  |
| Storage instruction | For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use. |
| Note                | For laboratory research only, not for drug, diagnostic or other use.  |

## Bioinformation

|                |  |
|----------------|--|
| Database links | <a href="#">GeneID: 21873 Mouse</a><br><a href="#">GeneID: 9414 Human</a><br><a href="#">Swiss-port # Q9UDY2 Human</a><br><a href="#">Swiss-port # Q9Z0U1 Mouse</a>  |
| Gene Symbol    | TJP2   |
| Gene Full Name | tight junction protein 2   |
| Background     | This gene encodes a zonula occluden that is a member of the membrane-associated guanylate kinase homolog family. The encoded protein functions as a component of the tight junction barrier in epithelial and endothelial cells and is necessary for proper assembly of tight junctions. Mutations in this gene have been identified in patients with hypercholanemia, and genomic duplication of a 270 kb region including this gene causes autosomal dominant deafness-51. Alternatively spliced transcripts encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Nov 2011] |
| Function       | Plays a role in tight junctions and adherens junctions. [UniProt]  |
| Highlight      | Related products:<br><a href="#">Anti-Rabbit IgG secondary antibodies:</a><br>Related poster download:<br><a href="#">Dual role of TGF beta in cancer promotion and suppression.pdf</a>  |
| Calculated Mw  | 134 kDa  |

## Images



ARG56165 anti-ZO2 antibody WB image

Western blot: HepG2 cell lysate stained with ARG56165 anti-ZO2 antibody.