

Datasheet for ABIN3029137
anti-TJP3 antibody (C-Term)

2 Images

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Overview

| | |
|----------------------|--|
| Quantity: | 100 µg |
| Target: | TJP3 |
| Binding Specificity: | C-Term |
| Reactivity: | Rat, Mouse |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This TJP3 antibody is un-conjugated |
| Application: | Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)) |

Product Details

| | |
|---------------|--|
| Immunogen: | An amino acid sequence from the C-terminus of mouse Zonula occludens protein 3 (RARDVESSDDEGYDWGPATDL) was used as the immunogen for this ZO-3 antibody (100% rat homology). |
| Isotype: | IgG |
| Purification: | Antigen affinity |

Target Details

| | |
|-------------------|---|
| Target: | TJP3 |
| Alternative Name: | ZO-3 (TJP3 Products) |
| Background: | TJP3 (Tight junction protein 3), also called ZO-3 (Zona occludens 3), is a protein that in humans is encoded by the TJP3 gene. TJP3/ZO-3 is a member of the family of membrane-associated |

Target Details

guanylate kinase-like proteins (MAGUK) that associate with intracellular junctions (Itoh et al., 1999). Haskins et al.(1998) showed that recombinant Tjp3 binds in vitro translated Tjp1 and binds directly to the cytoplasmic tail of occludin but no binding was detected between Tjp3 and Tjp2. Roh et al.(2002) determined that Tjp3 interacted with PATJ(INADL) and that both proteins colocalized to tight junctions in vivo. In vitro studies showed that the sixth and eighth PDZ domains of PATJ mediated interaction with the Tjp3 C-terminal domain and with Cldn1, respectively.

UniProt: [Q9QXY1](#)

Application Details

Application Notes: The stated application concentrations are suggested starting amounts. Titration of the ZO-3 antibody may be required due to differences in protocols and secondary/substrate sensitivity.\.
Western blot: 0.5-1 µg/mL,IHC (Paraffin): 0.5-1 µg/mL

Restrictions: For Research Use only

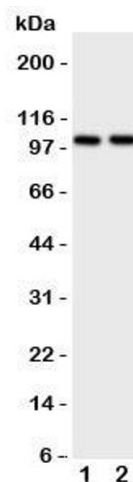
Handling

Buffer: 0.5 mg/mL if reconstituted with 0.2 mL sterile DI water

Storage: -20 °C

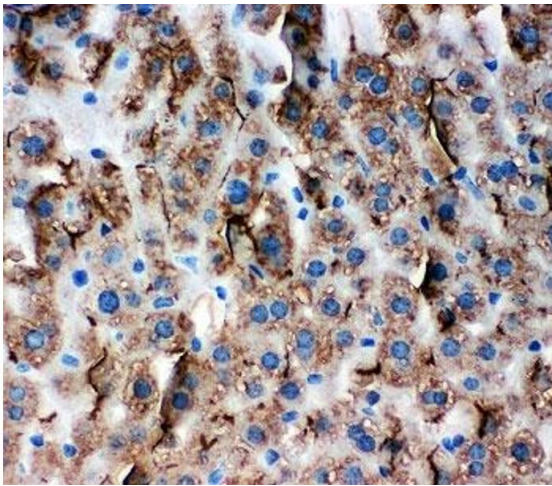
Storage Comment: After reconstitution, the ZO-3 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.

Images



Western Blotting

Image 1. Western blot testing of ZO-3 antibody and Lane 1: rat brain



Immunohistochemistry

Image 2. IHC-P: ZO-3 antibody testing of mouse liver tissue