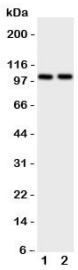
ZO-3 Antibody (R31079)

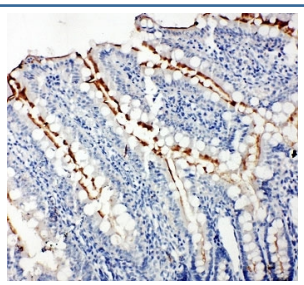
Catalog No.	Formulation	Size
R31079	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

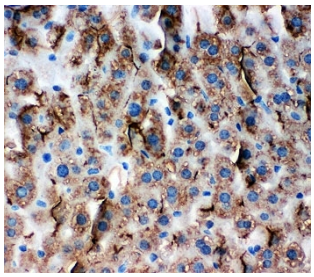
Availability	1-3 business days
Species Reactivity	Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal
UniProt	Q9QXY1
Applications	Western blot: 0.5-1ug/ml Immunohistochemistry (FFPE): 0.5-1ug/ml
Limitations	This ZO-3 antibody is available for research use only.



Western blot testing of ZO-3 antibody and Lane 1: rat brain; 2: rat heart tissue lysate.
Predicted/observed size ~103KD



IHC-P: ZO-3 antibody testing of rat intestine tissue



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

Description

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 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.

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.

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).

Storage

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

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