Occludin Polyclonal ANTIBODY

Catalog Number: 27260-1-AP  20 Publications

Basic Information

Catalog Number: 27260-1-AP
Size: 40 μg/150 μl
Source: Rabbit
Isotype: IgG
Purification Method: Antigen affinity purification

Immunogen Catalog Number: AG26173
GenBank Accession Number: BC029886
GeneID (NCBI): 4950
Full Name: occludin
Calculated MW: 522aa, 59 kDa
Observed MW: 59 kDa

Recommended Dilutions:
- WB: 1:600-1:3000
- IP: 0.5-4.0 μg for IP and 1:200-1:1000 for WB
- IHC: 1:50-1:500

Applications

Tested Applications: IF, IHC, IP, WB, ELISA
Cited Applications: FC, IF, WB
Species Specificity: human, mouse
Cited Species: calf, human, mouse, pig, rat

Note - IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Background Information

Occludin is an integral membrane protein located at the tight junction. It is a tetraspanin protein with four transmembrane domains, intracellular N and C termini and two extracellular loops. Occludin plays a role in the formation and regulation of the tight junction paracellular permeability barrier. Occludin can exist in different isoforms, owing to modifications at the posttranscriptional and posttranslational levels, the monomeric occludin migrates as 53-65 kDa on SDS-PAGE (PMID: 22083660; 19457074).

Notable Publications

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<tr>
<th>Author</th>
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<tr>
<td>Teng-Fei Xue</td>
<td>29113791</td>
<td>J Pharmacol Sci</td>
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<td>Dehua Zhu</td>
<td>30311220</td>
<td>J Cell Physiol</td>
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<td>Ya-Hong Jiang</td>
<td>31565039</td>
<td>Biomed Pharmacother</td>
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Storage

Storage: Store at -20°C. Stable for one year after shipment.
Storage Buffer: PBS with 0.1% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage.

For technical support and original validation data for this product please contact:
T 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1 (312) 405-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data

Mouse liver tissue were subjected to SDS-PAGE followed by western blot with 27260-1-AP (Occludin antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.

IP result of anti-Occludin (IP: 27260-1-AP, 4ug; Detection: 27260-1-AP 1:300) with HUVEC cell lysate 3600 ug.

Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 27260-1-AP (Occludin antibody) at dilution of 1:200 (under 10x lens).

Immunofluorescent analysis of (4% PFA) fixed Caco-2 cells using 27260-1-AP (Occludin antibody) at dilution of 1:200 and CoraLite488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).

Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 27260-1-AP (Occludin antibody) at dilution of 1:200 (under 40x lens).