Occludin Polyclonal ANTIBODY
Catalog Number: 27260-1-AP

Basic Information
- **Catalog Number:** 27260-1-AP
- **Size:** 25 μg/150 μl
- **Source:** Rabbit
- **Isotype:** IgG
- **Purification Method:** Antigen affinity purification
- **Immunogen Catalog Number:** AG26173
- **GeneBank Accession Number:** BC029886
- **GeneID (NCBI):** 4950
- **Full Name:** occludin
- **Calculated MW:** 522aa, 59 kDa
- **Observed MW:** 59 kDa

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

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 (PMID: 22083955).

Notable Publications

<table>
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<tr>
<th>Author</th>
<th>PubMed ID</th>
<th>Journal</th>
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<tbody>
<tr>
<td>Teng-Fei Xue</td>
<td>29113791</td>
<td>J Pharmacol Sci</td>
<td>WB</td>
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<tr>
<td>Dehua Zhu</td>
<td>30311220</td>
<td>J Cell Physiol</td>
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<tr>
<td>Xiaotong Wang</td>
<td>29855380</td>
<td>Reprod Biol Endocrin</td>
<td>WB, IF</td>
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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**
Selected Validation Data

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

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

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

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.