

## Occludin Polyclonal Antibody

Catalog No. E-AB-63724

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

### Description

<b>Reactivity</b>	Human, Mouse, Rat
<b>Immunogen</b>	Recombinant fusion protein of human Occludin (NP_002529.1).
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Purification</b>	Affinity purification
<b>Conjugation</b>	Unconjugated
<b>Buffer</b>	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

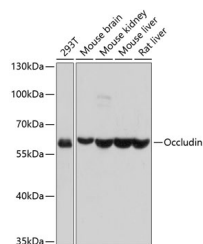
### Applications Recommended Dilution

**WB 1:1000-1:2000**

**IHC 1:50-1:200 IF**

**1:50-1:200**

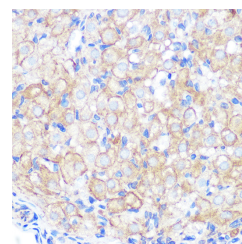
### Data



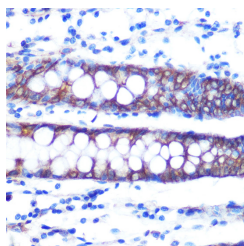
Western blot analysis of extracts of various cell lines using Occludin Polyclonal Antibody at dilution of 1:1000.

**Observed Mw:59kDa**  
**Calculated**

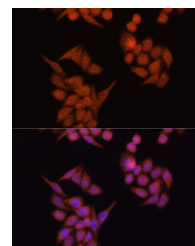
**Mw:8kDa/23kDa/31kDa/52kDa/54kDa/59kDa**



Immunohistochemistry of paraffin-embedded Rat ovary using Occludin Polyclonal Antibody at dilution of 1:100 (40x lens).

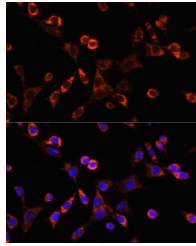


Immunohistochemistry of paraffin-embedded Human colon using Occludin Polyclonal Antibody at dilution of 1:100 (40x lens).

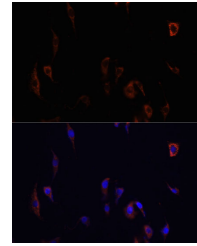


Immunofluorescence analysis of HeLa cells using Occludin Polyclonal Antibody at dilution of 1:100. Blue: DAPI for nuclear staining.

### For Research Use Only



Immunofluorescence analysis of NIH/3T3 cells using Occludin Polyclonal Antibody at dilution of 1:100.  
Blue: DAPI for nuclear staining.



Immunofluorescence analysis of PC12 cells using Occludin Polyclonal Antibody at dilution of 1:100.  
Blue: DAPI for nuclear staining.

## Preparation & Storage

**Storage** Store at -20°C. Avoid freeze / thaw cycles.

## Background

This gene encodes an integral membrane protein that is required for cytokine-induced regulation of the tight junction paracellular permeability barrier. Mutations in this gene are thought to be a cause of band-like calcification with simplified gyration and polymicrogyria (BLC-PMG), an autosomal recessive neurologic disorder that is also known as pseudo-TORCH syndrome. Alternative splicing results in multiple transcript variants. A related pseudogene is present 1.5 Mb downstream on the q arm of chromosome 5.