

Product Datasheet

Anti-Occludin Rabbit pAb



For Research Use Only. Not For Use In Diagnostic Procedures

WL01996

Product Information

Product name	Anti-Occludin Rabbit pAb	
Source	Rabbit	
Species reactivity	Human, Mouse, Rat	
Tested applications	WB	1:1000-1:2000
	IHC	1:100-1:300
	IF	1:100-1:200
Cellular localization	Membrane. Cell junction	
Pack size	50/100/200/500/1000µl	
Storage	Store at -20°C. Avoid freeze/thaw cycles.	
Storage buffer	Supplied in 20 mM phosphate (pH 7.5), 150 mM NaCl, 100 µg/ml BSA, 50% glycerol and less than 0.02% sodium azide	

General Information

Background

Occludin is an integral membrane protein closely associated with the tight junctions of epithelial and endothelial cells. Occludin is a tetraspan integral membrane protein in epithelial and endothelial tight junction (TJ) structures that can contain two extracellular loops. The protein exists in a variety of phosphorylated forms. Phosphorylation is involved in regulating both the localization and the function of occludin. Expression of occludin is up-regulated by polyunsaturated fatty acids, increasing transendothelial cell resistance and reducing cellular permeability to large molecules. The level of occludin varies greatly depending on tissue; in brain tissue, occludin is highly expressed at cell-cell contact sites. Non-neuronal tissues show lower expression and discontinuous distribution. Up-regulation of epithelial occludin may play a role in enhancing paracellular permeability and be related to the damage to the tight junction.

Immunogen

Polyclonal antibody is produced by immunizing animals with recombinant protein of Occludin.

Purification

Polyclonal antibody was purified by Protein A affinity chromatography.

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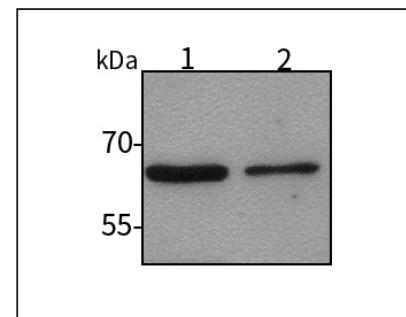
Anti-Occludin Rabbit pAb



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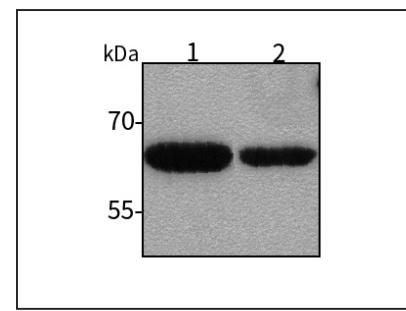
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Product Images



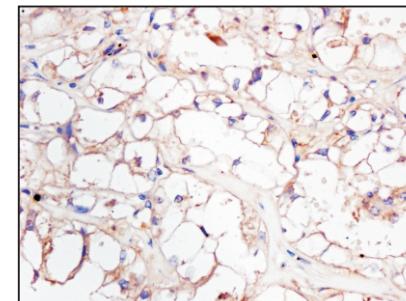
Western blot-Anti-Occludin pAb

Lane 1: Human HepG2 cell lysate
 Lane 2: Human Hela cell lysate
 All lanes: Anti-Occludin at 1:1000 dilution
 Lysates/proteins at 20-50 µg per lane.
 Predicted band size: 59 kDa
 Observed band size: 65 kDa



Western blot-Anti-Occludin pAb

Lane 1: Mouse heart tissue lysate
 Lane 2: Rat colon tissue lysate
 All lanes: Anti-Occludin at 1:1000 dilution
 Lysates/proteins at 20-50 µg per lane.
 Predicted band size: 59 kDa
 Observed band size: 65 kDa



Immunohistochemistry-Anti-Occludin pAb

Immunohistochemical analysis of paraffin-embedded human kidney cancer using anti-Occludin Rabbit Antibody at 1:200 dilution.
 Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0

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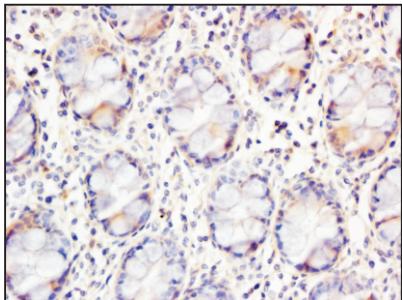
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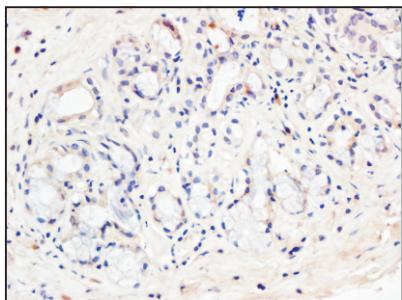
WL01996

Product Information



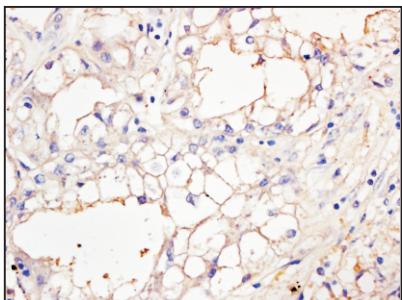
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Immunohistochemical analysis of paraffin-embedded human colon cancer using anti-Occludin Rabbit Antibody at 1:200 dilution. Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0.



Immunohistochemistry-Anti-Occludin pAb

Immunohistochemical analysis of paraffin-embedded human bile duct cancer using anti-Occludin Rabbit Antibody at 1:200 dilution. Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0.



Immunohistochemistry-Anti-Occludin pAb

Immunohistochemical analysis of paraffin-embedded human kidney cancer using anti-Occludin Rabbit Antibody at 1:200 dilution. Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0.

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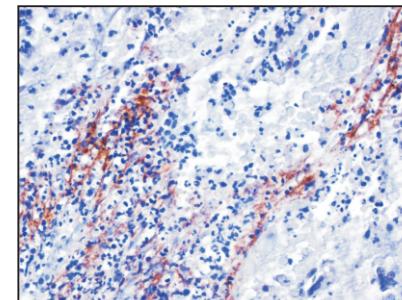
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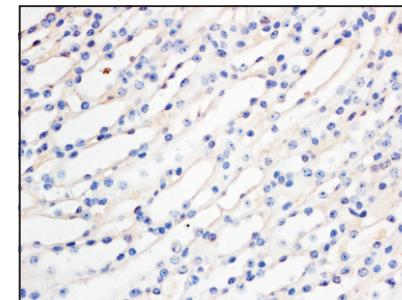
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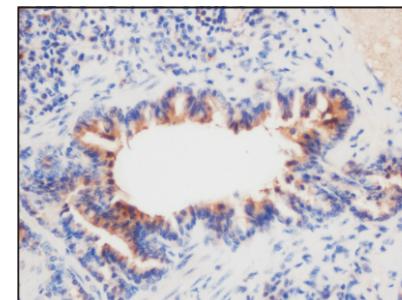
Immunohistochemistry-Anti-Occludin pAb

Immunohistochemical analysis of paraffin-embedded human stomach cancer using anti-Occludin Rabbit Antibody at 1:200 dilution. Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0.



Immunohistochemistry-Anti-Occludin pAb

Immunohistochemical analysis of paraffin-embedded mouse kidney using anti-Occludin Rabbit Antibody at 1:200 dilution. Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0.



Immunohistochemistry-Anti-Occludin pAb

Immunohistochemical analysis of paraffin-embedded mouse lung using anti-Occludin Rabbit Antibody at 1:200 dilution. Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0.

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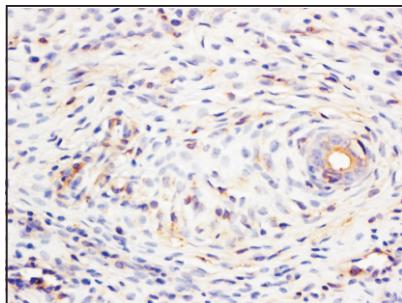
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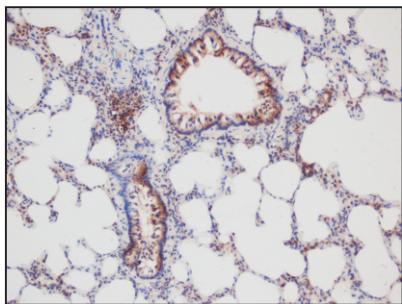
Product Information



Immunohistochemistry-Anti-Occludin pAb

Immunohistochemical analysis of paraffin-embedded rat uterus using anti-Occludin Rabbit Antibody at 1:200 dilution.

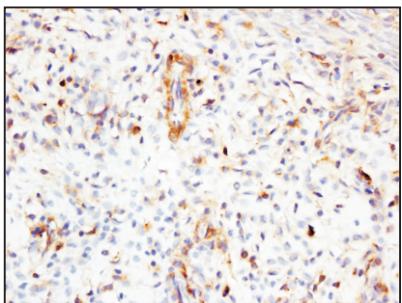
Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0.



Immunohistochemistry-Anti-Occludin pAb

Immunohistochemical analysis of paraffin-embedded rat lung using anti-Occludin Rabbit Antibody at 1:200 dilution.

Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0.



Immunohistochemistry-Anti-Occludin pAb

Immunohistochemical analysis of paraffin-embedded rat uterus using anti-Occludin Rabbit Antibody at 1:200 dilution.

Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0.

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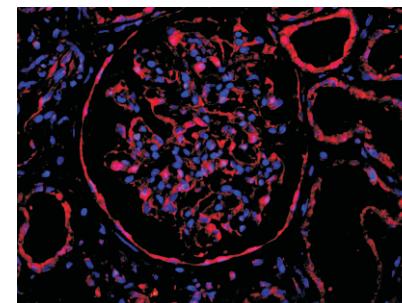
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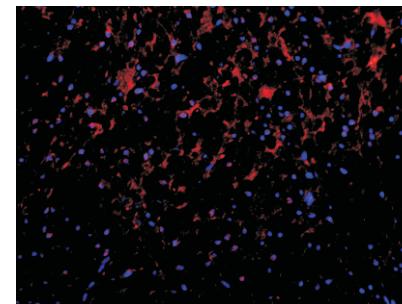
Product Information



Immunofluorescence-Anti-Occludin pAb

Immunofluorescence analysis of paraffin-embedded human kidney using anti-Occludin Rabbit Antibody at 1:200 dilution.

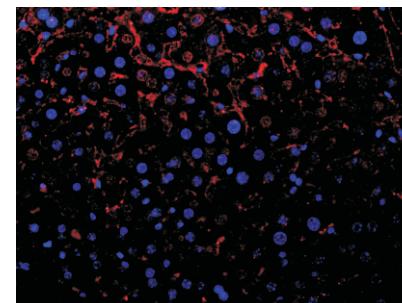
Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0.



Immunofluorescence-Anti-Occludin pAb

Immunofluorescence analysis of paraffin-embedded human colon cancer using anti-Occludin Rabbit Antibody at 1:200 dilution.

Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0.



Immunofluorescence-Anti-Occludin pAb

Immunofluorescence analysis of paraffin-embedded mouse liver using anti-Occludin Rabbit Antibody at 1:200 dilution.

Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0.

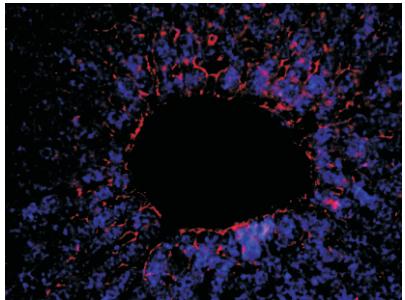
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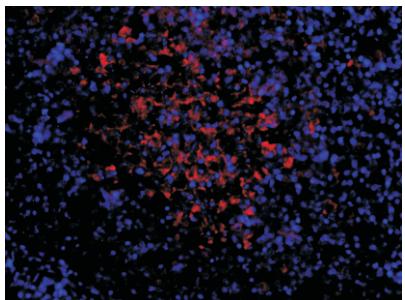
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Immunofluorescence-Anti-Occludin pAb

Immunofluorescence analysis of paraffin-embedded rat liver using anti-Occludin Rabbit Antibody at 1:200 dilution.

Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0.



Immunofluorescence-Anti-Occludin pAb

Immunofluorescence analysis of paraffin-embedded rat spleen cancer anti-Occludin Rabbit Antibody at 1:200 dilution.

Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0.