

AP26410PU-N**Polyclonal Antibody to Occludin (358-504) - Purified****Alternate names:**

OCLN

Quantity:

0.1 mg

Concentration:

0.1 mg/ml

Background:

Occludin is an integral membrane protein specifically associated with tight junctions. These specialized regions of the plasma membrane prevent the diffusion of dissolved molecules between adjacent epithelial cells, seal off body cavities such as intestine or stomach lumen and prevent the diffusion of membrane proteins and glycolipids between the apical and basolateral regions of the plasma membrane. Occludin is localized at tight junctions of both epithelial and endothelial cells and is highly expressed in kidney and has not been detected in testis. On the cytoplasmic surface of occludin, a domain within the C-terminal 150 residues has been shown to bind directly to the well-characterized tight junction protein zona occludens 1 (ZO-1).

Uniprot ID:[Q16625](#)**NCBI:**[NP_001192183.1](#)**GeneID:**[100506658](#)**Host / Isotype:**

Guinea Pig / Ig

Immunogen:

Recombinant Human Occludin (aa 358-504)

Format:**State:** Liquid 0.2 µm filtered Ig fraction**Purification:** Protein A Chromatography**Buffer System:** PBS**Preservatives:** 0.02% Sodium Azide**Stabilizers:** 0.1% BSA**Applications:****Immunohistochemistry on Frozen Sections:** The typical starting working dilution is 1/50.**Immunofluorescence:** The typical starting working dilution is 1/50.**Western blot:** The typical starting working dilution is 1/50.

Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity:

The polyclonal antibody reacts with Occludin.

Species Reactivity:**Tested:** Human, Mouse, Rat, Canine.**Storage:**

Store undiluted at 2-8°C.

Shelf life: one year from despatch.

General Readings:1. Van Itallie CM, Anderson JM. Occludin confers adhesiveness when expressed in fibroblasts. *J Cell Sci.* 1997 May;110 (Pt 9):1113-21. PubMed PMID: 9175707.