

Anti-Occludin Antibody [JJ091-08]

Cat:	YK151669
Product Type:	Recombinant Rabbit monoclonal IgG, primary antibodies
Species reactivity:	Human, Mouse, Rat, Cynomolgus monkey, Pig
Applications:	WB, IP, FC, IHC-P, IHC-Fr, IF-Tissue, mIHC
Molecular Wt:	Predicted band size: 59 kDa
Clone number:	JJ091-08
Description:	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 upregulated by poly-unsaturated 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-neural 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:	Synthetic peptide within N-terminal human Occludin
Positive control:	Human colon tissue, mouse colon tissue, rat colon tissue, MCF-7 cell lysate, Mouse smooth muscle tissue lysate.
Subcellular location:	Cell membrane, tight junction
Database links:	SwissProt: Q16625 Human Q61146 Mouse Q6P6T5 Rat
Recommended Dilutions:	WB: 1:1000- 1:2000; FC: 1:1000; IP: Use at an assay dependent concentration; IHC-P 1: 100-1:500; IHC-Fr: 1:500; IF-Tissue: 1:500; mIHC: 1:50;
Storage Buffer:	1*TBS (pH7.4), 0.05% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.
Storage Instruction:	Shipped at 4°C. Store at +4°C short term (1-2 weeks). It is recommended to aliquot into single-use upon delivery. Store at -20°C long term.
Purity:	Protein A affinity purified.