Occludin Rabbit mAb

Catalog No: #49289

Package Size: #49289-1 50ul #49289-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

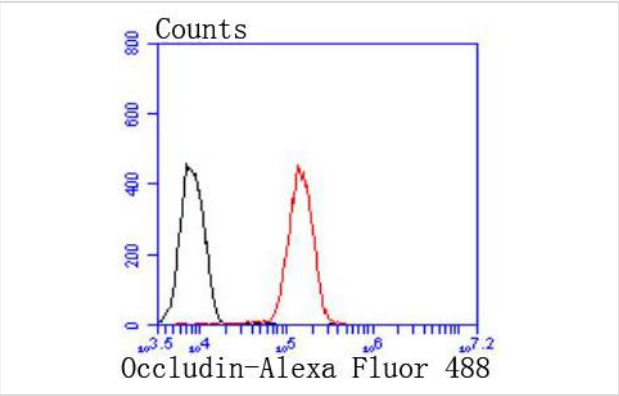
Description

Product Name	Occludin Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	JJ091-08
Purification	ProA affinity purified
Applications	WB, IP, FC
Species Reactivity	Hu, Ms, Rt
Immunogen Description	recombinant protein
Other Names	BLCPMG antibody FLJ08163 antibody FLJ18079 antibody FLJ77961 antibody FLJ94056 antibody MGC34277 antibody Occludin antibody Ocln antibody OCLN_HUMAN antibody Tight junction protein occludin antibody
Accession No.	Swiss-Prot#:Q16625
Uniprot	Q16625
GeneID	100506658;
Calculated MW	59 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

Application Details

WB: 1:1,000FC: 1:50-1:100

Images



Flow cytometric analysis of 293 cells with Occludin antibody at 1/50 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as the secondary antibody.

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 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.

References

Note: This product is for in vitro research use only