

For Research Use Only

Occludin Recombinant antibody

Catalog Number: 80545-1-RR



Basic Information

Catalog Number: 80545-1-RR	GenBank Accession Number: BC029886	Purification Method: Protein A purification
Size: 100ul , Concentration: 500 µg/ml by Nanodrop;	GeneID (NCBI): 4950	CloneNo.: 8B2
Source: Rabbit	Full Name: occludin	Recommended Dilutions: WB 1:5000-1:50000 IF 1:250-1:1000
Isotype: IgG	Calculated MW: 522 aa, 59 kDa	
Immunogen Catalog Number: AG26173	Observed MW: 59 kDa	

Applications

Tested Applications: IF, WB, ELISA	Positive Controls:
Species Specificity: Human, Mouse, Pig	WB : HEK-293 cells, HaCaT cells, pig colon tissue, mouse colon tissue, HUVEC cells, U2OS cells
	IF : MCF-7 cells,

Background Information

Occludin is an integral membrane protein located at the tight junction. It is a tetraspanin protein with four transmembrane domains, intracellular N and C termini and two extracellular loops. Occludin plays a role in the formation and regulation of the tight junction paracellular permeability barrier. Occludin can exist in different isoforms, owing to modifications at the posttranscriptional and posttranslational levels, the monomeric occludin migrates as 53-65 kDa on SDS-PAGE (PMID: 22083955; 19457074).

Storage

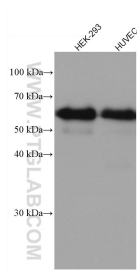
Storage:
Store at -20°C.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

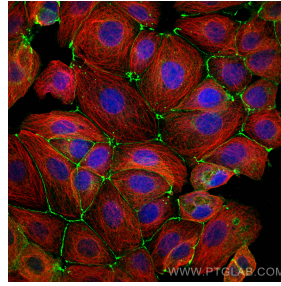
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com W: ptglab.com

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Selected Validation Data



HEK-293 cells were subjected to SDS PAGE followed by western blot with 80545-1-RR (Occludin antibody) at dilution of 1:40000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed MCF-7 cells using Occludin antibody (80545-1-RR, Clone: 8B2) at dilution of 1:500 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), Alpha Tubulin antibody (66031-1-Ig, Clone: 1E4C11, red).