

Datasheet for ABIN6144996
anti-Occludin antibody (AA 263-522)



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12 Images 1 Publication

Overview

Quantity:	100 µL
Target:	Occludin (OCLN)
Binding Specificity:	AA 263-522
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Occludin antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 263-522 of human Occludin (NP_002529.1).
Sequence:	FAVKTRRKMD RYDKSNILWD KEHIYDEQPP NVEEWVKNVS AGTQDVPSPP SDYVERVDSP MAYSSNGKVN DKRFYPPESSY KSTPVPEVVQ ELPLTSPVDD FRQPRYSSGG NFETPSKRAP AKGRAGRSKR TEQDHYETDY TTGGESCDL EEDWIREYPP ITSDQQRQLY KRNFDTLGLQE YKSLQSELDE INKELSRLDK ELDDYREESE EYMAAADEYN RLLKQVKGSD YKSKKNHCKQ LKSKLSHIKK MVGDYDRQKT
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies

Target Details

Target:	Occludin (OCLN)
Alternative Name:	OCLN (OCLN Products)
Background:	<p>This gene encodes an integral membrane protein that is required for cytokine-induced regulation of the tight junction paracellular permeability barrier. Mutations in this gene are thought to be a cause of band-like calcification with simplified gyration and polymicrogyria (BLC-PMG), an autosomal recessive neurologic disorder that is also known as pseudo-TORCH syndrome. Alternative splicing results in multiple transcript variants. A related pseudogene is present 1.5 Mb downstream on the q arm of chromosome</p> <p>5.,OCLN,BLCPMG,PPP1R115,PTORCH1,occludin,Occludin,Signal Transduction,Cell Biology & Developmental Biology,Apoptosis,Cell Adhesion,Tight Junctions,Cytoskeleton,OCLN</p>
Molecular Weight:	8 kDa/23 kDa/31 kDa/52 kDa/54 kDa/59 kDa
Gene ID:	100506658
UniProt:	Q16625
Pathways:	Cell-Cell Junction Organization , Hepatitis C

Application Details

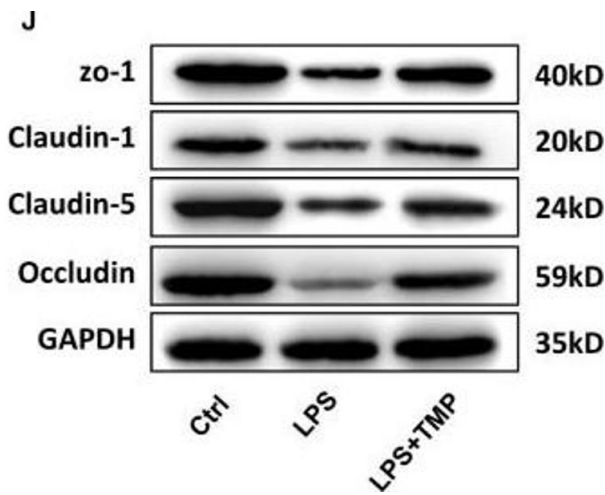
Application Notes:	WB,1:1000 - 1:2000
Comment:	HIGH QUALITY
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.

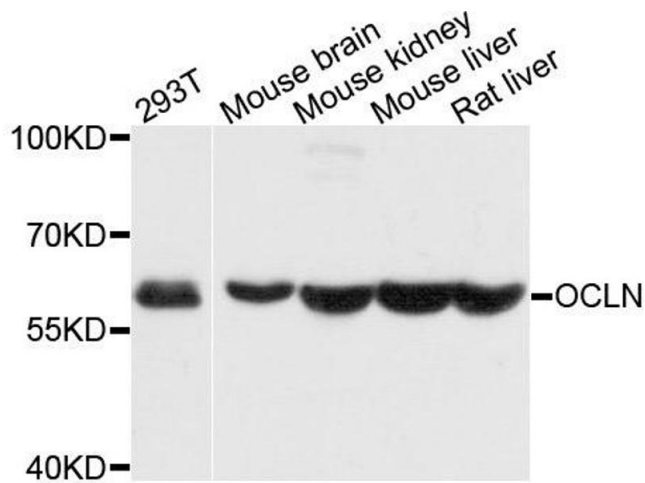
Product cited in: Knowlton, Fernández de Castro, Ashbrook, Gestaut, Zamora, Bauer, Forrest, Frydman, Risco, Dermody: "The TRiC chaperonin controls reovirus replication through outer-capsid folding." in: **Nature microbiology**, Vol. 3, Issue 4, pp. 481-493, (2018) ([PubMed](#)).

Images



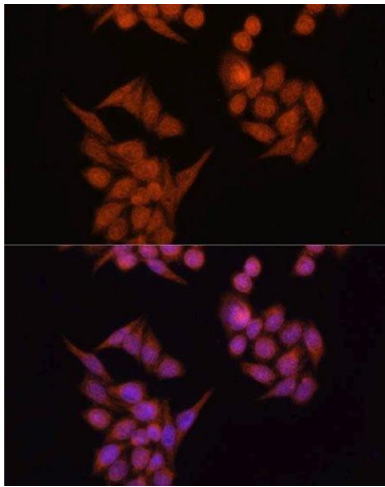
Western Blotting

Image 1. TMP has a protective effect on the LPS-induced BBB destruction in sepsis. (A) Sodium fluorescein staining revealed the degree of blood-brain barrier damage, and the images were taken by a UV gel imager. (B) The relative intensity of the Sodium fluorescein signaling is calculated. (C) IHC staining of the occludin in hippocampus of the rats (Upper, 100x, Lower, 400x). (D) The relative IHC intensity of occludin protein, (E) IHC staining of the Claudin-5 in hippocampus of the rats (Upper, 100x, Lower, 400x). (F) The relative IHC intensity of Claudin-5 protein, (G) IHC staining of the Claudin-1 in hippocampus of the rats (Upper, 100x, Lower, 400x). (H) The relative IHC intensity of Claudin-1 protein, (I) The relative levels of the ZO-1, Occludin, and Claudin-5 genes in the brains of each group (n=8). (J-K) Western blot results and Histogram shows statistical quantified results. Compared with the LPS group, *P < 0.05, **P < 0.01. Compared with the Control group, #P < 0.05. - figure provided by CiteAb. Source: PMID33123008



Western Blotting

Image 2. Western blot analysis of extracts of various cell lines, using OCLN antibody.



Immunofluorescence

Image 3. Immunofluorescence analysis of HeLa cells using OCLN antibody.

Please check the [product details page](#) for more images. Overall 12 images are available for ABIN6144996.