

ARG53386 anti-Occludin antibody

Package: 500 µl, 250 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes Occludin
Tested Reactivity	Hu, Ms
Tested Application	IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	Occludin
Species	Human
Immunogen	Synthetic peptide corresponding to C-terminus of human occludin.
Conjugation	Un-conjugated
Alternate Names	PPP1R115; BLCPMG; Occludin

Application Instructions

Application table	Application	Dilution
	IHC-P	1:50
	WB	1:25 - 1:500
Application Note	IHC-P: Antigen Retrieval: Boil tissue section in 10mM citrate buffer, pH 6.0 for 10 min followed by cooling at RT for 20 min. Incubation Time: 30 min at RT. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	Lung, Human Kidney	

Properties

Form	Liquid
Purification	Immunogen affinity purified
Buffer	PBS (pH 7.6), 1% BSA and < 0.1% Sodium azide
Preservative	< 0.1% Sodium azide
Stabilizer	1% BSA
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note

For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

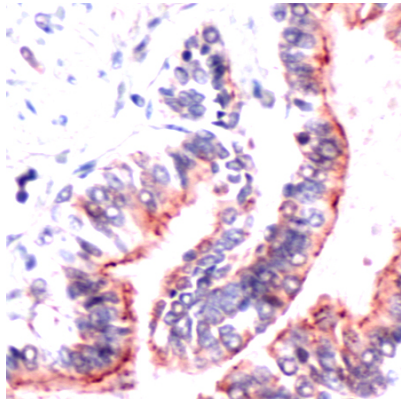
Database links	GeneID: 100506658 Human GeneID: 18260 Mouse Swiss-port # Q16625 Human Swiss-port # Q61146 Mouse
Gene Symbol	OCLN
Gene Full Name	occludin
Background	This gene encodes an integral membrane protein that is required for cytokine-induced regulation of the tight junction paracellular permeability 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 5. [provided by RefSeq, Apr 2011]
Function	May play a role in the formation and regulation of the tight junction (TJ) paracellular permeability barrier. It is able to induce adhesion when expressed in cells lacking tight junctions. [UniProt]
Highlight	Related products: Occludin antibodies: Occludin Duos / Panels: Anti-Rabbit IgG secondary antibodies:
Research Area	Signaling Transduction antibody
Calculated Mw	59 kDa
PTM	Dephosphorylated by PTPRJ. The tyrosine phosphorylation on Tyr-398 and Tyr-402 reduces its ability to interact with TJP1. Phosphorylation at Ser-490 also attenuates the interaction with TJP1.
Cellular Localization	Membrane

Images

ARG53386 anti-Occludin antibody WB image

Western Blot: Kidney stained with Occludin antibody (ARG53386)





ARG53386 anti-Occludin antibody IHC-P image

Immunohistochemistry: Human Lung stained with Occludin antibody (ARG53386)