

## ARG43817 anti-Occludin antibody

Package: 50 µg  
Store at: -20°C

### Summary

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

### Application Instructions

Application table	Application	Dilution
	FACS	1:200-1:100/1x10 <sup>6</sup>
	ICC/IF	1:100
	IHC-P	1:250-1:100
	WB	1:1000-1:500

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.
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### Properties

Form	Liquid
Purification	Immunogen affinity purified
Preservative	0.01mg Sodium azide
Stabilizer	4mg Trehalose, 0.9mg NaCl and 0.2mg and Na <sub>2</sub> HPO <sub>4</sub>
Concentration	0.5 mg/ml
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.

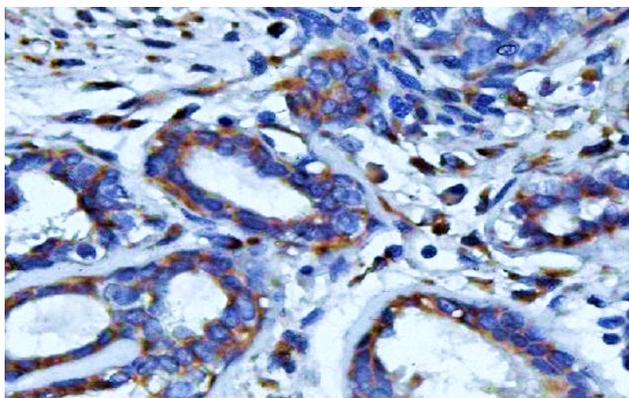
## Bioinformation

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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: <a href="#">Occludin antibodies</a> ; <a href="#">Occludin Duos / Panels</a> ; <a href="#">Anti-Rabbit IgG secondary antibodies</a> ;
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

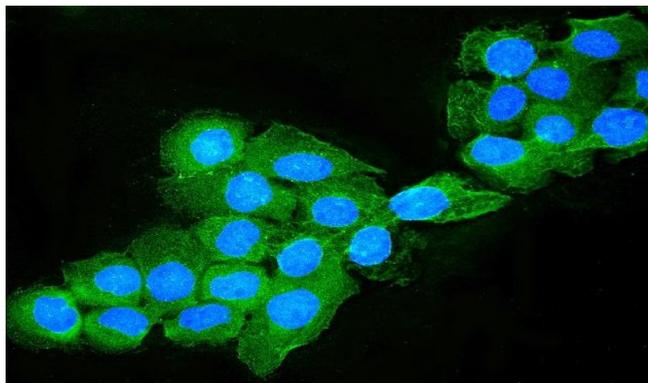
## Images

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ARG43817 anti-Occludin antibody IHC-P image

Immunohistochemistry: Paraffin-embedded human mammary cancer tissue stained with ARG43817 anti-Occludin antibody.

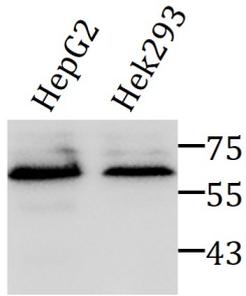


ARG43817 anti-Occludin antibody ICC/IF image

Immunofluorescence: A431 cells stained with ARG43817 anti-Occludin antibody at 1:100 dilution.

ARG43817 anti-Occludin antibody WB image

Western blot: HepG2 and HEK293 cell stained with ARG43817 anti-Occludin antibody at 1:1000 dilution.



ARG43817 anti-Occludin antibody FACS image

Flow Cytometry: U2OS cells stained with ARG43817 anti-Occludin antibody at 1:100/1x10<sup>6</sup> cells dilution.

