

anti-Human Occludin Polyclonal Antibody | anti-OCN antibody

Anti-Occludin Antibody

CATALOG # AAA46380	REACTIVITY Human	APPLICATIONS Immunohistochemistry, Western Blot
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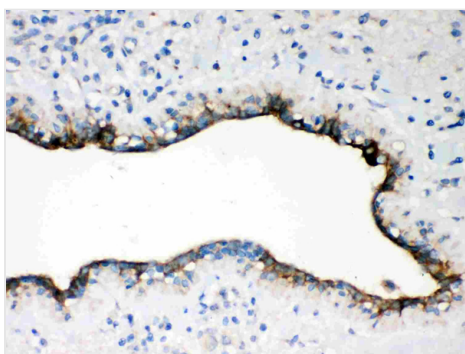
PRODUCT SYNONYMS

Occludin; Polyclonal Antibody; Anti-Occludin Antibody; BLCPMG; FLJ08163; FLJ18079; FLJ77961; FLJ94056; MGC34277; OCLN; OCLN_HUMAN; Tight junction protein occludin; occludin; anti-OCN antibody

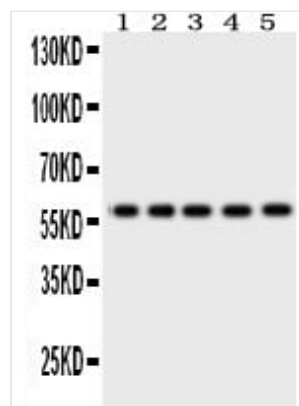
PRODUCT SPECIFICATIONS

Reactivity	Human
Clonality	Polyclonal
Purity/Purification	Immunogen Affinity Purified
Form/Format	Lyophilized. Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
Sequence Length	522
Applicable Applications for anti-OCN antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	E Coli-derived human Occludin recombinant protein (Position: N373-T522). Human Occludin shares 89% amino acid (aa) sequence identity with both mouse and rat Occludin.
Ig Type	Rabbit IgG
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquoted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES



IHC (Immunohistochemistry)
Anti- Occludin antibody, IHC(P) IHC(P): Human Mammary Cancer Tissue



WB (Western Blot)
Anti- Occludin antibody, Western blotting All lanes: Anti Occludin at 0.5ug/ml
Lane 1: SW620 Whole Cell Lysate at 40ug
Lane 2: COLO320 Whole Cell Lysate at 40ug
Lane 3: A549 Whole Cell Lysate at 40ug
Lane 4: 293T Whole Cell Lysate at 40ug

ADDITIONAL INFORMATION

Related Product Information for anti-OCLN antibody	Description: Rabbit IgG polyclonal antibody for Occludin(OCLN) detection. Tested with WB, IHC-P in Human. Background: Occludin is an integral membrane protein that is located at tight junctions. It is a member of a family of proteins containing the highly conserved Marvel domain, which contains 4 transmembrane-helix regions. This gene is mapped to 5q13.2. Occludin regulates TGF-beta receptor type I localization for efficient TGF-beta-dependent dissolution of tight junctions during epithelial-mesenchymal transitions. Human Occludin is an essential hepatitis C virus (HCV) cell entry factor that is able to render murine cells infectable with HCV glycoproteins. It has been found that occludin is involved in cell migration and functions to recruit active PI3 kinase to the leading edge, resulting in RAC1 activation and formation of lamellipodia.
References	1. Ando-Akatsuka, Y., Saitou, M., Hirase, T., Kishi, M., Sakakibara, A., Itoh, M., Yonemura, S., Furuse, M., Tsukita, S. Interspecies diversity of the occludin sequence: cDNA cloning of human, mouse, dog, and rat-kangaroo homologues. J. Cell Biol. 133: 43-47, 1996. 2. Barrios-Rodiles, M., Brown, K. R., Ozdamar, B., Bose, R., Liu, Z., Donovan, R. S., Shinjo, F., Liu, Y., Dembowy, J., Taylor, I. W., Luga, V., Przulj, N., Robinson, M., Suzuki, H., Hayashizaki, Y., Jurisica, I., Wrana, J. L. High-throughput mapping of a dynamic signaling network in mammalian cells. Science 307: 1621-1625, 2005. 3. Du, D., Xu, F., Yu, L., Zhang, C., Lu, X., Yuan, H., Huang, Q., Zhang, F., Bao, H., Jia, L., Wu, X., Zhu, X., Zhang, X., Zhang, Z., Chen, Z. The tight junction protein, occludin, regulates the directional migration of epithelial cells. Dev. Cell 18: 52-63, 2010.

NCBI AND UNIPROT INFORMATION

NCBI GI #	327478414
NCBI GeneID	100506658
NCBI Accession #	NP_001192183.1
NCBI GenBank Nucleotide #	NM_001205254.1
UniProt Accession #	Q16625; Q5U1V4; Q8N6K1; B5BU70; D2DU64; D2DU65; D2IGC0; D2IGC1; E2CYV9
Molecular Weight	8,175 Da
NCBI Official Full Name	occludin isoform a
NCBI Official Synonym Full Names	occludin
NCBI Official Symbol	OCLN
NCBI Official Synonym Symbols	BLCPMG; PPP1R115
NCBI Protein Information	occludin
UniProt Protein Name	Occludin
UniProt Gene Name	OCLN
UniProt Entry Name	OCLN_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.