

OCN Rabbit pAb

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Catalog # AP52279

Product Information

Application	WB
Primary Accession	Q61146
Reactivity	Human
Predicted	Mouse, Rat, Dog, Pig, Horse, Guinea Pig
Host	Rabbit
Clonality	Polyclonal
Calculated MW	59000
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from mouse OCN
Epitope Specificity	431-522/522
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Membrane; Multi-pass membrane protein. Cell junction, tight junction.
SIMILARITY	Belongs to the ELL/occludin family. Contains 1 MARVEL domain.
SUBUNIT	Interacts with TJP1/ZO1 and with VAPA.
Post-translational modifications	Phosphorylated upon DNA damage, probably by ATM or ATR. Dephosphorylated by PTPRJ. May be phosphorylated by PKC during translocation to cell-cell contacts.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	This gene encodes an integral membrane protein which is located at tight junctions. This protein may be involved in the formation and maintenance of the tight junction. The possibility of several alternatively spliced products has been suggested but the full nature of these products has not been described. [provided by RefSeq].

Additional Information

Gene ID	18260
Other Names	Occludin, Ocln, Ocl
Target/Specificity	Localized at tight junctions of both epithelial and endothelial cells. Highly expressed in kidney. Not detected in testis.
Dilution	WB=1:500-2000,Flow-Cyt=2 µg/Test
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	Ocln
Synonyms	Ocl
Function	May play a role in the formation and regulation of the tight junction (TJ) paracellular permeability barrier.
Cellular Location	Cell membrane; Multi-pass membrane protein. Cell junction, tight junction
Tissue Location	Localized at tight junctions of both epithelial and endothelial cells. Highly expressed in the testis, kidney, lung, liver and brain. Not detected in skeletal muscle, spleen and heart

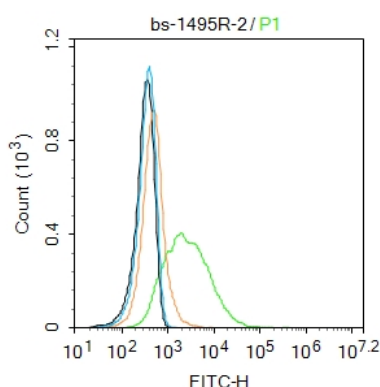
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References

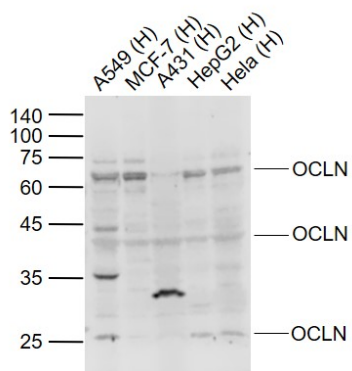
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Saitou M.,et al.Mol. Biol. Cell 11:4131-4142(2000).
Andreeva A.Y.,et al.J. Biol. Chem. 276:38480-38486(2001).

Images



Blank control: MCF7.
Primary Antibody (green line): Rabbit Anti-OCN antibody (AP52279)
Dilution: 2 µg /10⁶ cells;
Isotype Control Antibody (orange line): Rabbit IgG .
Secondary Antibody : Goat anti-rabbit IgG-FITC
Dilution: 1 µg /test.
Protocol
The cells were incubated in 5%BSA to block non-specific protein-protein interactions for 30 min at room temperature .Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.

Sample:
Lane 1: A549 (Human) Cell Lysate at 30 ug
Lane 2: MCF-7 (Human) Cell Lysate at 30 ug
Lane 3: A431 (Human) Cell Lysate at 30 ug
Lane 4: HepG2 (Human) Cell Lysate at 30 ug
Lane 5: Hela (Human) Cell Lysate at 30 ug



Primary: Anti-OCLN (AP52279) at 1/1000 dilution
 Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
 Predicted band size: 57 kD
 Observed band size: 65/38/28 kD

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.