OCLN Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	OCLN, Polyclonal Antibody
Full Product Name	OCLN (Occludin) (MaxLight 405)
Product Gene Name	anti-OCLN antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight405.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human OCLN. Species Crossreactivity: mouse.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amo
Molecular Weight	65kDa
Chromosome Location	Chromosome: 5; NC_000005.9 (68788119..68850397). Location: 5q13.1
OMIM	251290
3D Structure	ModBase 3D Structure for Q16625
Immunogen	Full length human OCLN, aa1-522 (NP_002529.1).
Immunogen Sequence	MSSRPLESPPPYRPDEFKPNHYAPSNDIYGGEMHVRPMLSQPAYSFYPEDEILHFYKWTSPPGVIRILSMLIIVMCIAIFACVASTLAWDRGYGTSLLGGSV
Conjugate	MaxLight405
Note	Preservative Free
Product Categories/Family for anti-OCLN antibody	Antibodies; Signal Transduction
Applications Tested/Suitable for anti-OCLN antibody	Western Blot (WB)
Application Notes for anti-OCLN antibody	Applications are based on unconjugated antibody.

Related Product Information for anti-OCLN antibody	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 i
Other Notes	Small volumes of anti-OCLN antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necess
Searchable Terms for OCLN purchase	MBS6387914 is an antibody targeting OCLN. Also known as OCLN (Occludin) (MaxLight 405). Reactive in Human, Mouse. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for OCLN. It may not necessarily be applicable to this product.

NCBI GI #	4505487
NCBI GeneID	100506658
NCBI Accession #	NP_002529.1
UniProt Primary Accession #	Q16625
UniProt Secondary Accession #	Q8N6K1; B5BU70
UniProt Related Accession #	Q16625; Q5U1V4
GenBank Nucleotide #	NM_002538.2
NCBI Official Full Name	occludin isoform a
NCBI Official Synonym Full Names	occludin
NCBI Official Symbol	OCLN
NCBI Official Synonym Symbols	BLCPMG; FLJ08163; FLJ18079; FLJ77961; FLJ94056; MGC34277
UniProt Protein Name	Occludin
Protein Family	Occludin
UniProt Gene Name	OCLN
UniProt Entry Name	OCLN_HUMAN
NCBI Protein Information	occludin; OTTHUMP00000125187; OTTHUMP00000222347; tight junction protein occludin
UniProt Comments for OCLN	occludin: 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. Interacts with TJP1/ZO1 and with VAPA. Localized at tight junctions of both epithelial and endothelial cells. Highly expressed in kidney. Not detected in testis. Belongs to the ELL/occludin family. 7 isoforms of the human protein are produced by alternative splicing. Protein type: Membrane protein, multi-pass; Cell adhesion; Membrane protein, integral; Motility/polarity/chemotaxis Chromosomal Location of Human Ortholog: 5q13.1 Cellular Component: tight junction; apicolateral plasma membrane; endocytic vesicle; apical plasma membrane; integral to membrane; plasma membrane; intercellular junction; cytoplasmic vesicle; cell junction; cytosol Molecular Function: thiopurine S-methyltransferase activity; protein domain specific binding; protein binding; structural molecule activity Biological Process: methylation; intercellular junction assembly and maintenance; apoptosis; S-adenosylmethionine metabolic process; S-adenosylhomocysteine metabolic process; protein complex assembly; cell structure disassembly during apoptosis Disease: Band-like Calcification With Simplified Gyration And Polymicrogyria

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