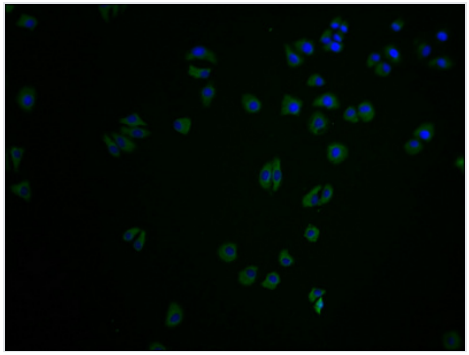
CLDN11 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	CLDN11, Polyclonal Antibody
Full Product Name	CLDN11 Antibody
Product Gene Name	anti-CLDN11 antibody
Product Synonym Names	Claudin-11 (Oligodendrocyte-specific protein); CLDN11; OSP OTM
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH7.4
Purity/Purification	>95%, Protein G purified
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.
Molecular Weight	21,993 Da
Chromosome Location	Chromosome: 3; NC_000003.11 (170136653..170152479). Location: 3q26.2-q26.3
OMIM	601326
3D Structure	ModBase 3D Structure for O75508
Conjugation	Non-conjugated
Immunogen	Recombinant Human Claudin-11 protein (23-82AA)
Product Categories/Family for anti-CLDN11 antibody	Others
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-CLDN11 antibody	ELISA (EIA), Immunofluorescence (IF)
Application Notes for anti-CLDN11 antibody	IF: 1:100-1:500
Related Product Information for anti-CLDN11 antibody	Plays a major role in tight junction-specific obliteration of the intercellular space, through calcium-independent cell-adhesion activity.
Other Notes	Small volumes of anti-CLDN11 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for CLDN11 purchase	MBS7136061 is an antibody targeting CLDN11. Also known as CLDN11 Antibody. Reactive in Human. Host: Rabbit.



Immunofluorescence (IF) of anti-CLDN11 antibody
Immunofluorescence staining of HepG2 cells at 1:100, counter-stained with DAPI. The cells were fixed in 4% formaldehyde and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4 degree C. The secondary antibody was Alexa Fluor 488-congugated AffiniPure Goat Anti-Rabbit IgG(H+L).

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CLDN11. It may not necessarily be applicable to this product.

NCBI GI #	10938016
NCBI GeneID	5010
NCBI Accession #	NP_005593.2
UniProt Primary Accession #	O75508
UniProt Secondary Accession #	Q5U0P3; B2R7C1; D3DNQ5
UniProt Related Accession #	O75508
GenBank Nucleotide #	NM_005602.5
NCBI Official Full Name	claudin-11 isoform 1
NCBI Official Synonym Full Names	claudin 11
NCBI Official Symbol	CLDN11
NCBI Official Synonym Symbols	OSP; OTM
UniProt Protein Name	Claudin-11
UniProt Synonym Protein Names	Oligodendrocyte-specific protein
Protein Family	Claudin
UniProt Gene Name	CLDN11
UniProt Synonym Gene Names	OSP; OTM
UniProt Entry Name	CLD11_HUMAN
NCBI Protein Information	claudin-11; oligodendrocyte-specific protein; oligodendrocyte transmembrane protein
NCBI Summary for CLDN11	This gene encodes a member of the claudin family. Claudins are integral membrane proteins and components of tight junction strands. Tight junction strands serve as a physical barrier to prevent solutes and water from passing freely through the paracellular space between epithelial or endothelial cell sheets, and also play critical roles in maintaining cell polarity and signal transductions. The protein encoded by this gene is a major component of central nervous system (CNS) myelin and plays an important role in regulating proliferation and migration of oligodendrocytes. Mouse studies showed that the gene deficiency results in deafness and loss of the Sertoli cell epithelial phenotype in the testis. This protein is a tight junction protein at the human blood-testis barrier (BTB), and the BTB disruption is related to a dysfunction of this gene. Alternatively spliced transcript variants encoding different isoforms have been identified.[provided by RefSeq, Aug 2010]

UniProt Comments for CLDN11	Claudin-11: Plays a major role in tight junction-specific obliteration of the intercellular space, through calcium-independent cell-adhesion activity. Belongs to the claudin family. Protein type: Membrane protein, multi-pass; Cell adhesion; Membrane protein, integral Chromosomal Location of Human Ortholog: 3q26.2-q26.3 Cellular Component: tight junction; plasma membrane; integral to membrane Molecular Function: identical protein binding; structural molecule activity Biological Process: spermatogenesis; axon ensheathment; calcium-independent cell-cell adhesion
Research Articles on CLDN11	**1.** disorganization of claudin-11 expression in Sertoli cells might be one of the factors involved in the impairment of spermatogenesis.
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