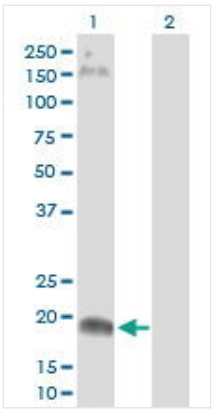
CLDN15 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	CLDN15, Polyclonal Antibody
Full Product Name	CLDN15 (Claudin-15, Claudin 15, FLJ42715, MGC19536) (HRP)
Product Gene Name	anti-CLDN15 antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Horseradish Peroxidase (HRP).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human CLDN15.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and stor Sodium azide is a potent inhibitor of peroxidase and should not be added to HRP conjugates. For maximum recovery of product, centrifuge the original
3D Structure	ModBase 3D Structure for P56746
Immunogen	Full length human CLDN15, aa1-228 (NP_055158.1).
Immunogen Sequence	MSMAVETFGFFMATVGLLMLGVTLPNSYWRVSTVHGNVITTNTIFENLWFSCATDSLGVYNCWEFPSMLALSGYIQACRALMITAILLGFLGLLLGIAGLRC
Conjugate	HRP
Note	Preservative Free
Product Categories/Family for anti-CLDN15 antibody	Antibodies; Claudin
Applications Tested/Suitable for anti-CLDN15 antibody	Western Blot (WB)
Application Notes for anti-CLDN15 antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-CLDN15 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-CLDN15 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If nece

Searchable Terms for CLDN15 purchase	MBS6374075 is an antibody targeting CLDN15. Also known as CLDN15 (Claudin-15, Claudin 15, FLJ42715, MGC19536) (HRP). Reactive in Human. H



Western Blot (WB) of anti-CLDN15 antibody
Western Blot analysis of CLDN15 expression in transfected 293T cell line by CLDN15 polyclonal antibody. Lane 1: CLDN15 transfected lysate (24.4kD). Lane 2: Non-transfected lysate.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CLDN15. It may not necessarily be applicable to this product.

NCBI GI #	7656981
NCBI GeneID	24146
NCBI Accession #	NP_055158.1
UniProt Primary Accession #	P56746
UniProt Related Accession #	P56746
GenBank Nucleotide #	NM_014343.1
NCBI Official Full Name	claudin-15
NCBI Official Synonym Full Names	claudin 15
NCBI Official Symbol	CLDN15
UniProt Protein Name	Claudin-15
Protein Family	Claudin
UniProt Gene Name	CLDN15
NCBI Protein Information	claudin-15
NCBI Summary for CLDN15	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. Alternatively spliced transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Jun 2010]
UniProt Comments for CLDN15	Claudins function as major constituents of the tight junction complexes that regulate the permeability of epithelia. While some claudin family members function as impermeable barriers, others mediate the permeability to ions and small molecules. Often, several claudin family members are coexpressed and interact with each other, and this determines the overall permeability. CLDN15 forms tight junctions that mediate the paracellular transport of small monovalent cations along a concentration gradient, due to selective permeability for Na+, Li+ and K+ ions, but selects against Cl- ions. Plays an important role in paracellular Na+ transport in the intestine and in Na+ homeostasis. Required for normal Na+-dependent intestinal nutrient uptake.

Research Articles on CLDN15	**1.** analysis of claudin-15 tight junction paracellular architecture by molecular dynamics simulations
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