SunLong Biotech Co.,LTD
Tel: 0086-571- 56623320 Fax:0086-571- 56623318
E-mail:sales@sunlongbiotech.com
www.sunlongbiotech.com

Rabbit Anti-Claudin 22 antibody

SL13747R

Product Name:	Claudin 22
Chinese Name:	紧密连接蛋白22抗体
Alias:	Claudin-22; CLD22_HUMAN; CLDN21; CLDN22; FLJ51450.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500（Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	25kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human Claudin 22:101-180/220<Extracellular>
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. 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.
PubMed:	PubMed
Product Detail:	The claudin superfamily consists of many structurally related proteins that are important structural and functional components of tight junctions in paracellular transport. Claudins are located in both epithelial and endothelial cells in all tight junction-bearing tissues. Claudins, which consist of four transmembrane domains and two extracellular loops, make up tight junction strands. It is suggested that the claudin family of proteins regulate transport through tight junctions via differential

www.sunlongbiotech.com

discrimination for solute size and charge. Claudin expression is often highly restricted to specific regions of different tissues and may have an important role in transcellular transport through tight junctions. Claudin-22, also known as CLDN22, is a 220 amino acid member of the claudin family that participates in tight junction-specific obliteration of the intercellular space through calcium-independent cell-adhesion activity.

Function:
Plays a major role in tight junction-specific obliteration of the intercellular space, through calcium-independent cell-adhesion activity.

Subcellular Location:
Cell junction; tight junction. Cell membrane.

Similarity:
Belongs to the claudin family.

SWISS:
Q8N7P3

Gene ID:
53842

Database links:

Entrez Gene: 53842 Human

Entrez Gene: 75677 Mouse

SwissProt: Q8N7P3 Human

SwissProt: Q9D7U6 Mouse

Unigene: 333179 Human

Unigene: 390033 Mouse

Important Note:
This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

www.sunlongbiotech.com