SunLong Biotech Co.,LTD
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[Primary Antibody]

Recombinant Rabbit Anti-CLDN18 Monoclonal Antibody

Catalog Number: SLA0467M

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Mouse
Isotype:	IgG1, Kappa
Clonality:	Monoclonal
Clone No.:	7A12
GeneID:	51208
SWISS:	P56856
Target:	CLDN18
Immunogen:	KLH conjugated synthetic peptide derived from human Claudin-18
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20℃ for one year. Avoid repeated freeze/thaw cycles.
Applications:	IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) Not yet tested in other applications. Optimal working dilutions must be determined by the end user.
Reactivity:	Human
Predicted MW.:	28 kDa
Subcellular Location:	Membrane
Background:	The Claudin superfamily consists of many structurally related proteins in humans (1). These proteins are important structural and functional components of tight junctions in paracellular transport (1,2). Claudins are located in both epithelial and endothelial cells in all tight junction-bearing tissues (1). Three classes of proteins are known to localize to tight junctions, including the Claudins, Occludin and Junction adhesion molecule (3). Claudins, which consist of four transmembrane domains and two extracellular loops make up tight junction strands (4). Emerging evidence suggests that the Claudin family of proteins regulates transport through tight junctions via differential

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	discrimination for solute size and charge (5).Claudin expression is often highly restricted to specfic regions of different tissues and may have an important role in transcellular transport through tight junctions (6).

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