Claudin 6 Antibody / CLDN6 (F55065)

Catalog No.	Formulation	Size
F55065-0.2ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.2 ml
F55065-0.05ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.05 ml

Bulk quote request

Availability	1-3 business days
Species Reactivity	Mouse
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity purified
UniProt	Q99808
Applications	Western blot: 1:500-1:1000
Limitations	This Claudin 6 antibody is available for research use only.



Western blot testing of mouse heart tissue lysate with Claudin 6 antibody. Predicted molecular weight ~23 kDa.

Description

Claudin 6 is a protein that in humans is encoded by the CLDN6 gene. It belongs to the group of claudins. Tight junctions represent one mode of cell-to-cell adhesion in epithelial or endothelial cell sheets, forming continuous seals around cells and serving as a physical barrier to prevent solutes and water from passing freely through the paracellular space. These junctions are comprised of sets of continuous networking strands in the outwardly facing cytoplasmic leaflet, with complementary grooves in the inwardly facing extracytoplasmic leaflet. This gene encodes a component of tight junction strands, which is a member of the claudin family. The protein is an integral membrane protein and is one of the entry cofactors for hepatitis C virus. The gene methylation may be involved in esophageal tumorigenesis. This gene is adjacent

to another family member CLDN9 on chromosome 16.

Application Notes

Titration of the Claudin 6 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 130-159 from the human protein was used as the immunogen for the Claudin 6 antibody.

Storage

Aliquot the Claudin 6 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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