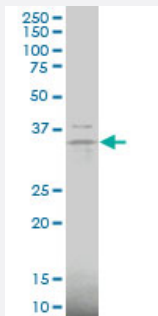


CLDN16 polyclonal antibody (A01)

Catalog # H00010686-A01

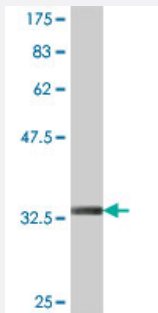
Size 50 uL

Applications



Western Blot (Cell lysate)

CLDN16 polyclonal antibody (A01), Lot # 060614JCS1. Western Blot analysis of CLDN16 expression in Daoy.



Western Blot detection against Immunogen (34.14 kDa) .

Specification

Product Description	Mouse polyclonal antibody raised against a partial recombinant CLDN16.
Immunogen	CLDN16 (NP_006571, 1 a.a. ~ 73 a.a) partial recombinant protein with GST tag.
Sequence	MTSRTPLLVTACLYSYCNSRHLQQGVRKSKRPVFSHCQVPETQKTDTRHLSGARAGVCPCHPDGLLATMRD
Host	Mouse
Reactivity	Human
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (34.14 kDa) .

Storage Buffer	50 % glycerol
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Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
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Applications

- Western Blot (Cell lysate)

CLDN16 polyclonal antibody (A01), Lot # 060614JCS1. Western Blot analysis of CLDN16 expression in Daoy.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — CLDN16

Entrez GeneID	10686
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GeneBank Accession#	NM_006580
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Protein Accession#	NP_006571
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Gene Name	CLDN16
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Gene Alias	HOMG3, PCLN1
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Gene Description	claudin 16
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Omim ID	248250 603959
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Gene Ontology	Hyperlink
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Gene Summary

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. The protein encoded by this gene, a member of the claudin family, is an integral membrane protein and a component of tight junction strands. It is found primarily in the kidneys, specifically in the thick ascending limb of Henle, where it acts as either an intercellular pore or ion concentration sensor to regulate the paracellular resorption of magnesium ions. Defects in this gene are a cause of primary hypomagnesemia, which is characterized by massive renal magnesium wasting with hypomagnesemia and hypercalciuria, resulting in nephrocalcinosis and renal failure. [provided by RefSeq]

Other Designations

hypomagnesemia 3, with hypercalciuria and nephrocalcinosis|paracellin-1

Pathway

- [Cell adhesion molecules \(CAMs\)](#)
- [Leukocyte transendothelial migration](#)
- [Tight junction](#)