abcam

ab317709

Anti-Claudin 1 antibody [RM1186]

Recombinant | RabMAb | KO Validated | 20ul selling size

Key facts

Isotype	IgG
Host species	Rabbit
Storage buffer	pH: 7.2 - 7.4 Preservative: 0.01% Sodium azide Constituents: PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
Form	Liquid
Clonality	Multiclonal
Immunogens	The exact immunogen used to generate this antibody is proprietary information.
Clone number	RM1186
Purification technique	Affinity purification Protein A
Specificity	Unsuitable for mouse ICC and mouse FC.
Concentration	0.497 mg/mL The concentration of this product may be batch-dependent Batch concentration finder →

Reactivity data

Flow Cyt (Intra)

Tested

Species	Human
Dilution info	1/500
Notes	-

Expected

Species	Rat
Dilution info	Use at an assay dependent concentration.
Notes	-

Not recommended

Species	Mouse
Dilution info	-
Notes	-

ICC/IF

Tested

Species	Human
Dilution info	1/100
Notes	-

Expected

Species	Rat
Dilution info	Use at an assay dependent concentration.
Notes	-

Not recommended

Species	Mouse
Dilution info	-
Notes	-

IHC-P

Tested

Species	Human
Dilution info	1/500
Notes	-

Species	Mouse
Dilution info	1/100
Notes	-

Species	Rat
Dilution info	1/100
Notes	-

IP

Tested

Species	Human
Dilution info	1/30
Notes	-

Species	Mouse
Dilution info	1/30
Notes	-

Species	Rat
Dilution info	1/30
Notes	-

WB

Tested

Species	Human
Dilution info	1/1000
Notes	-

Species	Mouse

Dilution info	1/1000
Notes	-

Species	Rat
Dilution info	1/1000
Notes	-

IHC-Fr

Not recommended

Species	Mouse, Rat, Human
Dilution info	-
Notes	-

Target data

See full target information CLDN1

Function

Claudins function as major constituents of the tight junction complexes that regulate the permeability of epithelia. While some claudin family members play essential roles in the formation of 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. CLDN1 is required to prevent the paracellular diffusion of small molecules through tight junctions in the epidermis and is required for the normal barrier function of the skin. Required for normal water homeostasis and to prevent excessive water loss through the skin, probably via an indirect effect on the expression levels of other proteins, since CLDN1 itself seems to be dispensable for water barrier formation in keratinocyte tight junctions (PubMed:23407391). (Microbial infection) Acts as a co-receptor for hepatitis C virus (HCV) in hepatocytes (PubMed:17325668, PubMed:20375010, PubMed:24038151). Associates with CD81 and the CLDN1-CD81 receptor complex is essential for HCV entry into host cell (PubMed:20375010). Acts as a receptor for dengue virus (PubMed:24074594).

Storage

Shipped at conditions	Blue Ice
Appropriate short-term storage duration	1-2 weeks

Appropriate short-term storage conditions	+4°C
Appropriate long-term storage conditions	-20°C
Aliquoting information	Upon delivery aliquot
Storage information	Avoid freeze / thaw cycle

Notes

What are recombinant multiclonals?
Recombinant multiclonals are a mixture of recombinant antibodies co-expressed from a library of heavy and light chains. They offer several advantages including:

- The sensitivity of polyclonal antibodies by recognising multiple epitopes
- High batch-to-batch consistency and reproducibility
- Improved sensitivity and specificity
- Long-term security of supply
- Animal-free batch production

View our range of recombinant multiclonal antibodies.

Patented technology
Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb® patents.

Supplementary info

This supplementary information is collated from multiple sources and compiled automatically.

Activity summary	Claudin 1 also known as CLDN1 is a protein that plays a fundamental role in the formation of tight junctions in the epithelial cells. This claudin protein has a molecular weight of approximately 22 kDa. You can find it expressed in various tissues including the skin liver kidney and lungs. Claudin 1 belongs to the claudin family which consists of transmembrane proteins involved in sealing the space between adjacent cells therefore ensuring tissue integrity.
Biological function summary	This claudin protein contributes to establishing and maintaining the barrier function that controls paracellular transport which is the movement of substances between cells. Claudin 1 participates as a critical component of the tight junction complex and it interacts with other proteins such as occludin and zonula occludens. These interactions contribute to the regulation and maintenance of cell polarity and signaling.
Pathways	Claudin 1 is involved in the epithelial cell signaling pathways that influence cellular proliferation and differentiation. One significant pathway is the Wnt signaling pathway where claudin 1 cooperates with other claudins and proteins like β-catenin to regulate gene transcription. Additionally it is implicated in the MAPK

pathway which involves signaling cascades that affect cell growth division and response to external stress.

Associated diseases and disorders

Claudin 1 shows a strong association with cancers particularly hepatocellular carcinoma and melanoma. In these conditions changes in claudin 1 expression levels can affect tumor progression and metastasis. It also associates with other proteins like E-cadherin impacting cell adhesion and epithelial-mesenchymal transition in cancerous cells. Moreover abnormalities in claudin 1 expression relate to skin disorders such as ichthyosis which is marked by a dysfunction in the skin barrier.

Product promise

Tested

We have tested this species and application combination and it works. It is covered by our product promise.

Expected

We have not tested this specific species and application combination in-house, but expect it will work. It is covered by our product promise.

Predicted

This species and application combination has not been tested, but we predict it will work based on strong homology. However, this combination is not covered by our product promise.

Not recommended

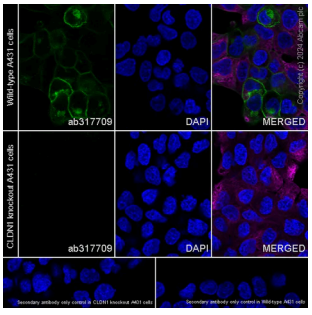
We do not recommend this combination. It is not covered by our product promise.

We are dedicated to supporting your work with high quality reagents and we are here for you every step of the way should you need us.

In the unlikely event of one of our products not working as expected, you are covered by our product promise.

Full details and terms and conditions can be found here:
Terms & Conditions.

19 product images



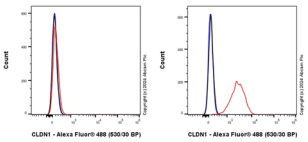
Immunocytochemistry/ Immunofluorescence - Anti-Claudin 1 antibody [RM1186] (ab317709)

Immunofluorescent analysis of 4% Paraformaldehyde-fixed, 0.1% Tween-20 permeabilized CLDN1 KO A431(CLDN1 knockout human epidermoid carcinoma epithelial cell) cells labelling Claudin 1 with ab317709 at 1/100 (4.97 ug/ml) dilution, followed by ab150081 Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) preadsorbed antibody at 1/1000 2 ug/ml dilution (Green).

Confocal image showing membranous and cytoplasmic staining in wildtype A431 cells (shown in green) and showing no staining in CLDN1 knockout A431 cells. The counterstain was observed in magenta. Nuclear DNA was labeled with DAPI (shown in blue).
Image was taken with a confocal microscope(Leica-Microsystems, TCS SP8).

ab195889 Anti-alpha Tubulin mouse monoclonal antibody - Microtubule Marker (Alexa Fluor® 594) was used to counterstain tubulin at 1/200 2.5ug/ml dilution (Magenta). The Nuclear counterstain was DAPI (Blue).

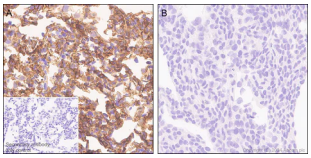
Secondary antibody only control: Secondary antibody is ab150081 Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) preadsorbed at 1/1000 2 ug/ml dilution.



Flow Cytometry (Intracellular) - Anti-Claudin 1 antibody [RM1186] (ab317709)

Flow cytometric analysis of 4% paraformaldehyde fixed 90% methanol permeabilized CLDN1 KO A431(human epidermoid carcinoma epithelial cell, Left) / Parental A431(Right) cells labelling Claudin 1 with ab317709 at 1/500 dilution (0.1 ug)/Red (Red) compared with a Rabbit monoclonal IgG (ab172730) (Black) isotype control and an unlabelled control (cells without incubation with primary antibody and secondary antibody) (Blue).

Goat Anti-Rabbit IgG (Alexa Fluor® 488, ab150081) at 1/5000 dilution was used as the secondary antibody.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Claudin 1 antibody [RM1186] (ab317709)

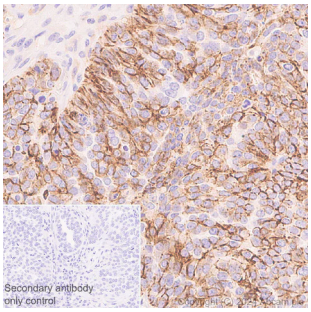
Immunohistochemical analysis of paraffin-embedded (A) Wild-type A431 (human epidermal carcinoma cells) cell pellet (B) CLDN1 knockout A431 cell pellet tissue labeling Claudin 1 with ab317709 at 1/500 (0.994 ug/ml) dilution, followed by a ready to use LeicaDS9800 (Bond™ Polymer Refine Detection).

Positive staining on (A) Wild-type A431 cell pellet, no staining on (B) CLDN1 knockout A431 cell pellet. The section was incubated with ab317709 for 30 mins at room temperature.
The immunostaining was performed on a Leica Biosystems BOND® RX instrument

Counterstained with Hematoxylin.

Secondary antibody only control: Secondary antibody is a ready to use LeicaDS9800 (Bond™ Polymer Refine Detection).

Heat mediated antigen retrieval was performed with Tris-EDTA buffer (pH 9.0, Epitope Retrieval Solution2) for 20 mins



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Claudin 1 antibody [RM1186] (ab317709)

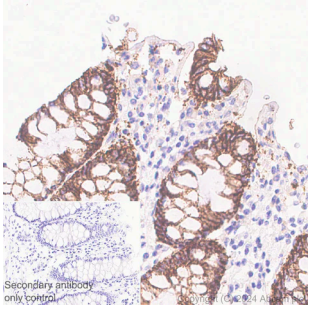
Immunohistochemical analysis of paraffin-embedded Human gastric adenocarcinoma tissue labeling Claudin 1 with ab317709 at 1/100 (4.97 ug/ml) dilution, followed by a ready to use LeicaDS9800 (Bond™ Polymer Refine Detection).

Positive staining on human gastric adenocarcinoma. The section was incubated with ab317709 for 30 mins at room temperature.
The immunostaining was performed on a Leica Biosystems BOND® RX instrument

Counterstained with Hematoxylin.

Secondary antibody only control: Secondary antibody is a ready to use LeicaDS9800 (Bond™ Polymer Refine Detection).

Heat mediated antigen retrieval was performed with Tris-EDTA buffer (pH 9.0, Epitope Retrieval Solution2) for 20 mins



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Claudin 1 antibody [RM1186] (ab317709)

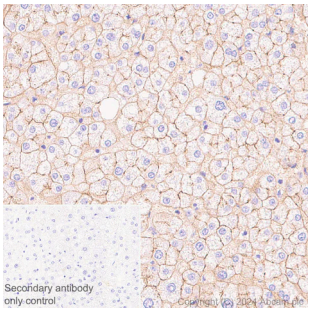
Immunohistochemical analysis of paraffin-embedded Human colon tissue labeling Claudin 1 with ab317709 at 1/100 (4.97 ug/ml) dilution, followed by a ready to use LeicaDS9800 (Bond™ Polymer Refine Detection).

Positive staining on human colon. The section was incubated with ab317709 for 30 mins at room temperature.
The immunostaining was performed on a Leica Biosystems BOND® RX instrument

Counterstained with Hematoxylin.

Secondary antibody only control: Secondary antibody is a ready to use LeicaDS9800 (Bond™ Polymer Refine Detection).

Heat mediated antigen retrieval was performed with Tris-EDTA buffer (pH 9.0, Epitope Retrieval Solution2) for 20 mins



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Claudin 1 antibody [RM1186] (ab317709)

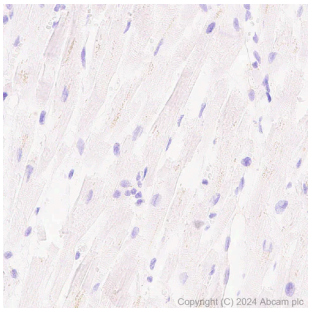
Immunohistochemical analysis of paraffin-embedded Human liver tissue labeling Claudin 1 with ab317709 at 1/100 (4.97 ug/ml) dilution, followed by a ready to use LeicaDS9800 (Bond™ Polymer Refine Detection).

Positive staining on human liver. The section was incubated with ab317709 for 30 mins at room temperature.
The immunostaining was performed on a Leica Biosystems BOND® RX instrument

Counterstained with Hematoxylin.

Secondary antibody only control: Secondary antibody is a ready to use LeicaDS9800 (Bond™ Polymer Refine Detection).

Heat mediated antigen retrieval was performed with Tris-EDTA buffer (pH 9.0, Epitope Retrieval Solution2) for 20 mins



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Claudin 1 antibody [RM1186] (ab317709)

Claudin 1 Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining of Human cardiac muscle using rabbit Anti-Claudin 1 antibody

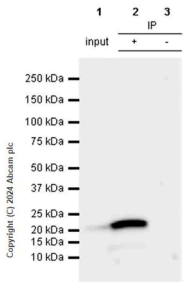
Immunohistochemical analysis of paraffin-embedded Human cardiac muscle tissue labeling Claudin 1 with ab317709 at 1/100 (4.97 ug/ml) dilution, followed by a ready to use LeicaDS9800 (Bond™ Polymer Refine Detection).

Negative control: no staining on human cardiac muscle. The section was incubated with ab317709 for 30 mins at room temperature.
The immunostaining was performed on a Leica Biosystems BOND® RX instrument

Counterstained with Hematoxylin.

Secondary antibody only control: Secondary antibody is a ready to use LeicaDS9800 (Bond™ Polymer Refine Detection).

Heat mediated antigen retrieval was performed with Tris-EDTA buffer (pH 9.0, Epitope Retrieval Solution2) for 20 mins



Immunoprecipitation - Anti-Claudin 1 antibody [RM1186] (ab317709)

Claudin 1 was immunoprecipitated from 0.35 mg A549 (human lung carcinoma epithelial cell) whole cell lysate with ab317709 at 1/30 dilution (2ug in 0.35mg lysates). Western blot was performed on the immunoprecipitate using ab317709 at 1/1000 dilution. VeriBlot for IP secondary antibody(HRP)(ab131366) was used at 1/5000 dilution.

Lane 1: A549 (human lung carcinoma epithelial cell) whole cell lysate
Lane 2: ab317709 IP in A549 (human lung carcinoma epithelial cell) whole cell lysate
Lane 3: Rabbit monoclonal IgG (ab172730) instead of ab317709 in A549 whole cell lysate

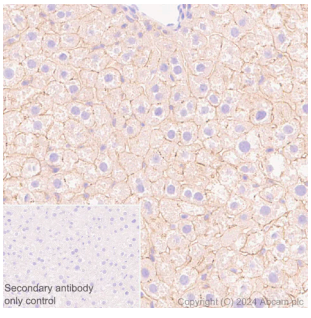
All lanes:
Immunoprecipitation - Anti-Claudin 1 antibody [RM1186] (ab317709) at 1/30 dilution

All lanes:
A549 (human lung carcinoma epithelial cell) whole cell lysate

Secondary

All lanes:
Immunoprecipitation - VeriBlot for IP Detection Reagent (HRP) (ab131366) at 1/5000 dilution

Exposure time: 32s



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Claudin 1 antibody [RM1186] (ab317709)

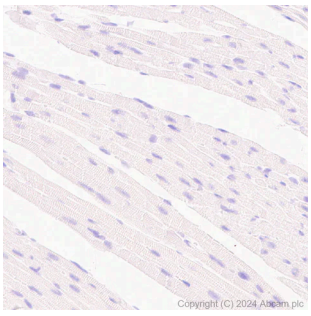
Immunohistochemical analysis of paraffin-embedded Mouse liver tissue labeling Claudin 1 with ab317709 at 1/100 (4.97 ug/ml) dilution, followed by a ready to use LeicaDS9800 (Bond™ Polymer Refine Detection).

Positive staining on mouse liver. The section was incubated with ab317709 for 30 mins at room temperature.
The immunostaining was performed on a Leica Biosystems BOND® RX instrument

Counterstained with Hematoxylin.

Secondary antibody only control: Secondary antibody is a ready to use LeicaDS9800 (Bond™ Polymer Refine Detection).

Heat mediated antigen retrieval was performed with Tris-EDTA buffer (pH 9.0, Epitope Retrieval Solution2) for 20 mins



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Claudin 1 antibody [RM1186] (ab317709)

Claudin 1 Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining of Mouse cardiac muscle using rabbit Anti-Claudin 1 antibody

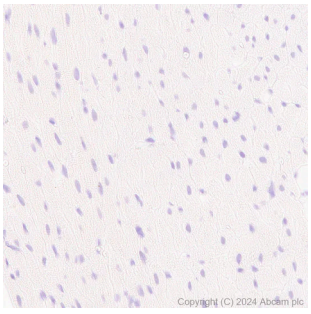
Immunohistochemical analysis of paraffin-embedded Mouse cardiac muscle tissue labeling Claudin 1 with ab317709 at 1/100 (4.97 ug/ml) dilution, followed by a ready to use LeicaDS9800 (Bond™ Polymer Refine Detection).

Negative control: no staining on mouse cardiac muscle. The section was incubated with ab317709 for 30 mins at room temperature.
The immunostaining was performed on a Leica Biosystems BOND® RX instrument

Counterstained with Hematoxylin.

Secondary antibody only control: Secondary antibody is a ready to use LeicaDS9800 (Bond™ Polymer Refine Detection).

Heat mediated antigen retrieval was performed with Tris-EDTA buffer (pH 9.0, Epitope Retrieval Solution2) for 20 mins



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Claudin 1 antibody [RM1186] (ab317709)

Claudin 1 Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining of Rat cardiac muscle using rabbit Anti-Claudin 1 antibody

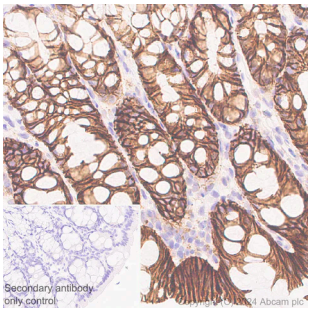
Immunohistochemical analysis of paraffin-embedded Rat cardiac muscle tissue labeling Claudin 1 with ab317709 at 1/100 (4.97 ug/ml) dilution, followed by a ready to use LeicaDS9800 (Bond™ Polymer Refine Detection).

Negative control: no staining on rat cardiac muscle. The section was incubated with ab317709 for 30 mins at room temperature.
The immunostaining was performed on a Leica Biosystems BOND® RX instrument

Counterstained with Hematoxylin.

Secondary antibody only control: Secondary antibody is a ready to use LeicaDS9800 (Bond™ Polymer Refine Detection).

Heat mediated antigen retrieval was performed with Tris-EDTA buffer (pH 9.0, Epitope Retrieval Solution2) for 20 mins



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Claudin 1 antibody [RM1186] (ab317709)

Immunohistochemical analysis of paraffin-embedded Rat colon tissue labeling Claudin 1 with ab317709 at 1/100 (4.97 ug/ml) dilution, followed by a ready to use LeicaDS9800 (Bond™ Polymer Refine Detection).

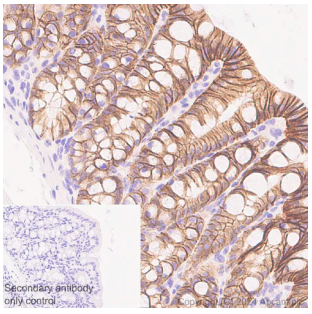
Positive staining on rat colon. The section was incubated with ab317709 for 30 mins at room temperature.
The immunostaining was performed on a Leica Biosystems BOND® RX instrument

Counterstained with Hematoxylin.

Secondary antibody only control: Secondary antibody is a ready to use LeicaDS9800 (Bond™ Polymer Refine Detection).

Heat mediated antigen retrieval was performed with Tris-EDTA buffer (pH 9.0, Epitope Retrieval Solution2) for 20 mins

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Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Claudin 1 antibody [RM1186] (ab317709)

Immunohistochemical analysis of paraffin-embedded Mouse colon tissue labeling Claudin 1 with ab317709 at 1/100 (4.97 ug/ml) dilution, followed by a ready to use LeicaDS9800 (Bond™ Polymer Refine Detection).

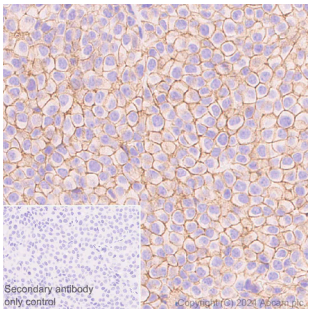
Positive staining on mouse colon. The section was incubated with ab317709 for 30 mins at room temperature.
The immunostaining was performed on a Leica Biosystems BOND® RX instrument

Counterstained with Hematoxylin.

Secondary antibody only control: Secondary antibody is a ready to use LeicaDS9800 (Bond™ Polymer Refine Detection).

Heat mediated antigen retrieval was performed with Tris-EDTA buffer (pH 9.0, Epitope Retrieval Solution2) for 20 mins

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Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Claudin 1 antibody [RM1186] (ab317709)

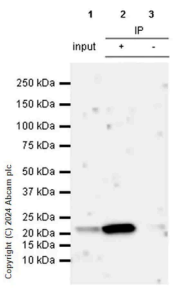
Immunohistochemical analysis of paraffin-embedded Mouse breast carcinoma tissue labeling Claudin 1 with ab317709 at 1/100 (4.97 ug/ml) dilution, followed by a ready to use LeicaDS9800 (Bond™ Polymer Refine Detection).

Positive staining on mouse breast carcinoma. The section was incubated with ab317709 for 30 mins at room temperature.
The immunostaining was performed on a Leica Biosystems BOND® RX instrument

Counterstained with Hematoxylin.

Secondary antibody only control: Secondary antibody is a ready to use LeicaDS9800 (Bond™ Polymer Refine Detection).

Heat mediated antigen retrieval was performed with Tris-EDTA buffer (pH 9.0, Epitope Retrieval Solution2) for 20 mins



Immunoprecipitation - Anti-Claudin 1 antibody [RM1186] (ab317709)

Claudin 1 was immunoprecipitated from 0.35 mg Rat liver tissue lysate with ab317709 at 1/30 dilution (2ug in 0.35mg lysates). Western blot was performed on the immunoprecipitate using ab317709 at 1/1000 dilution. VeriBlot for IP secondary antibody(HRP)(ab131366) was used at 1/5000 dilution.

Lane 1: Rat liver tissue lysate
Lane 2: ab317709 IP in Rat liver tissue lysate
Lane 3: Rabbit monoclonal IgG (ab172730) instead of ab317709 in rat liver tissue lysate

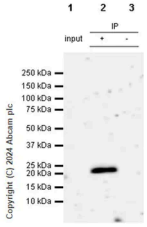
All lanes:
Immunoprecipitation - Anti-Claudin 1 antibody [RM1186] (ab317709) at 1/30 dilution

All lanes:
Rat liver tissue lysate

Secondary

All lanes:
Immunoprecipitation - VeriBlot for IP Detection Reagent (HRP) (ab131366) at 1/5000 dilution

Exposure time: 32s



Immunoprecipitation - Anti-Claudin 1 antibody [RM1186] (ab317709)

Claudin 1 was immunoprecipitated from 0.35 mg Mouse colon tissue lysate with ab317709 at 1/30 dilution (2ug in 0.35mg lysates). Western blot was performed on the immunoprecipitate using ab317709 at 1/1000 dilution. VeriBlot for IP secondary antibody(HRP)(ab131366) was used at 1/5000 dilution.

Lane 1: Mouse colon tissue lysate
Lane 2: ab317709 IP in Mouse colon tissue lysate
Lane 3: Rabbit monoclonal IgG (ab172730) instead of ab317709 in mouse colon tissue lysate

All lanes:
Immunoprecipitation - Anti-Claudin 1 antibody [RM1186] (ab317709) at 1/30 dilution

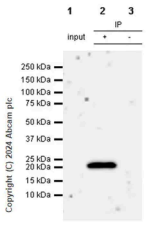
All lanes:
Mouse colon tissue lysate

Secondary

All lanes:
Immunoprecipitation - VeriBlot for IP Detection Reagent (HRP) (ab131366) at 1/5000 dilution

Exposure time: 180s

Immunoprecipitation - Anti-Claudin 1 antibody [RM1186] (ab317709)



Claudin 1 was immunoprecipitated from 0.35 mg NMuLi (mouse liver epithelial) whole cell lysate with ab317709 at 1/30 dilution (2ug in 0.35mg lysates). Western blot was performed on the immunoprecipitate using ab317709 at 1/1000 dilution. VeriBlot for IP secondary antibody(HRP) (ab131366) was used at 1/5000 dilution.

Lane 1: NMuLi (mouse liver epithelial) whole cell lysate
Lane 2: ab317709 IP in NMuLi (mouse liver epithelial) whole cell lysate
Lane 3: Rabbit monoclonal IgG (ab172730) instead of ab317709 in NMuLi whole cell lysate

All lanes:
Immunoprecipitation - Anti-Claudin 1 antibody [RM1186] (ab317709) at 1/30 dilution

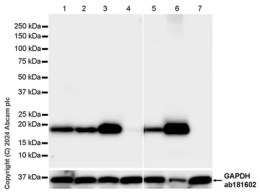
All lanes:
NMuLi (mouse liver epithelial) whole cell lysate

Secondary

All lanes:
Immunoprecipitation - VeriBlot for IP Detection Reagent (HRP) (ab131366) at 1/5000 dilution

Exposure time: 180s

Western blot - Anti-Claudin 1 antibody [RM1186] (ab317709)



Claudin 1 Western blot staining using rabbit Anti-Claudin 1 antibody

Low expression: MCF7 (PMID: 30658316).

In Western blot, ab317709 was shown to bind specifically to Claudin 1. Target of interest was observed at 18 kDa, in wild-type A431 cell lysates (lane 6) with no signal observed at this size in CLDN1 knockout cell line (lane 7) (lane 7, knockout cell line ab261889 / knockout cell lysate ab261698).

In Western blot, Anti-GAPDH antibody [EPR16891] - Loading Control (ab181602) staining at 1/200000 dilution.

All lanes:
Western blot - Anti-Claudin 1 antibody [RM1186] (ab317709) at 1/1000 dilution

Lane 1:
A549 (human lu carcinoma epithelial cell) whole cell lysate at 20 µg

Lane 2:
HepG2 (human hepatocellar carcinoma epithelial cell) whole cell lysate at 20 µg

Lane 3:
T-47D (human ductal breast epithelial tumor epithelial cell) whole cell lysate at 20 µg

Lane 4:
MCF7 (human breast adenocarcinoma epithelial cell) whole cell lysate at 20 µg

Lane 5:
HT-29 (human colorectal adenocarcinoma epithelial cell) whole cell lysate at 20 µg

Lane 6:
Wide-type A431 (human epidermoid carcinoma epithelial cell) whole cell lysate at 20 µg

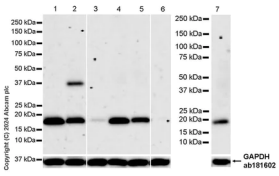
Lane 7:
CLDN1 knockout A431 whole cell lysate at 20 µg

Secondary

All lanes:
Western blot - Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/100000 dilution

Observed band size: 18 kDa, 36 kDa

Exposure time: 15s



Western blot - Anti-Claudin 1 antibody [RM1186] (ab317709)

Claudin 1 Western blot staining using rabbit Anti-Claudin 1 antibody

Low expression: brain (PMID: 9647647).

In Western blot, Anti-GAPDH antibody [EPR16891] - Loading Control (ab181602) staining at 1/200000 dilution.

All lanes:
Western blot - Anti-Claudin 1 antibody [RM1186] (ab317709) at 1/1000 dilution

Lane 1:
Mouse colon tissue lysate at 20 µg

Lane 2:
Mouse liver tissue lysate at 20 µg

Lane 3:
Mouse brain tissue lysate at 20 µg

Lane 4:
Rat colon tissue lysate at 20 µg

Lane 5:
Rat liver tissue lysate at 20 µg

Lane 6:
Rat brain tissue lysate at 20 µg

Lane 7:
NMuLi (mouse liver epithelial) whole cell lysate at 20 µg

Secondary

All lanes:
Western blot - Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/100000 dilution

Observed band size: 18 kDa, 36 kDa

Exposure time: 180s

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.