

Claudin 3 Polyclonal Antibody

Product Details	
Size	500 µL
Species Reactivity	Chicken, Human, Mouse, Pig, Rat
Published Species	Mouse, Human
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	A synthetic peptide derived from the C-terminus of mouse Claudin-3
Form	Liquid
Storage conditions	-20°C or -80°C if preferred
RRID	AB_10981317

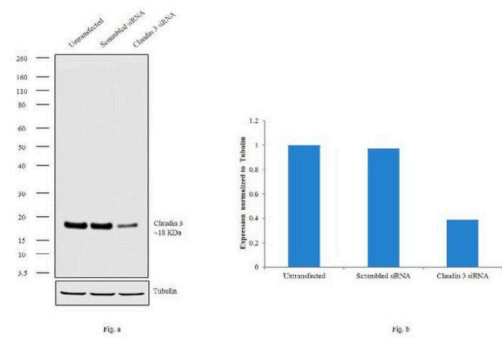
Applications	Tested Dilution	Publications
Western Blot (WB)	1-2 µg/mL	1 Publication
Immunohistochemistry (IHC)	-	4 Publications
Immunohistochemistry (Paraffin) (IHC (P))	1:100	-
Immunocytochemistry (ICC/IF)	1:100	1 Publication

Product Specific Information

PA5-16867 targets Claudin 3 in IHC (P) and WB applications and shows reactivity with Human, mouse, and Rat samples.

The PA5-16867 immunogen is a synthetic peptide derived from the C-terminus of mouse Claudin-3.

Product Images For Claudin 3 Polyclonal Antibody

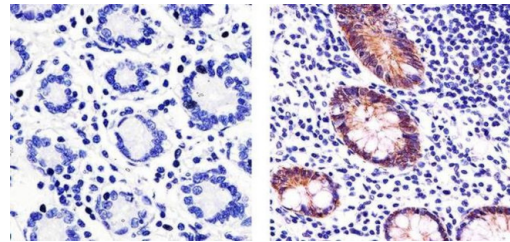


Claudin 3 Antibody (PA5-16867)

Antibody specificity was demonstrated by siRNA mediated knockdown of target protein. PC-3 cells were transfected with Claudin 3 siRNA and reduction of signal was observed in Western Blot using Anti-Claudin 3 Polyclonal Antibody (Product # PA5-16867). {KD}

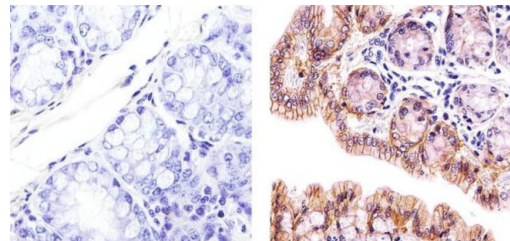
Claudin 3 Antibody (PA5-16867) in IHC (P)

Immunohistochemistry analysis of Claudin 3 showing staining in the membrane of paraffin-embedded human small intestine tissue (right) compared to a negative control without primary antibody (left). To expose target proteins, antigen retrieval was performed using 10mM sodium citrate (pH 6.0), microwaved for 8-15 min. Following antigen retrieval, tissues were blocked in 3% H2O2-methanol for 15 min at room temperature, washed with ddH2O and PBS, and then probed with a Claudin 3 Rabbit Polyclonal Antibody (Product # PA5-16867) diluted in 3% BSA-PBS at a dilution of 1:20 for 1 hour at 37°C in a humidified chamber. Tissues were washed extensively in PBST and detection was performed using an HRP-conjugated secondary antibody followed by colorimetric detection using a DAB kit. Tissues were counterstained with hematoxylin and dehydrated with ethanol and xylene to prep for mounting.



Claudin 3 Antibody (PA5-16867) in IHC (P)

Immunohistochemistry analysis of Claudin 3 showing staining in the membrane of paraffin-embedded mouse colon tissue (right) compared to a negative control without primary antibody (left). To expose target proteins, antigen retrieval was performed using 10mM sodium citrate (pH 6.0), microwaved for 8-15 min. Following antigen retrieval, tissues were blocked in 3% H2O2-methanol for 15 min at room temperature, washed with ddH2O and PBS, and then probed with a Claudin 3 Rabbit Polyclonal Antibody (Product # PA5-16867) diluted in 3% BSA-PBS at a dilution of 1:20 for 1 hour at 37°C in a humidified chamber. Tissues were washed extensively in PBST and detection was performed using an HRP-conjugated secondary antibody followed by colorimetric detection using a DAB kit. Tissues were counterstained with hematoxylin and dehydrated with ethanol and xylene to prep for mounting.



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Western Blot (1)

Respiratory research

MyD88 regulates a prolonged adaptation response to environmental dust exposure-induced lung disease.

"Published figure using Claudin 3 polyclonal antibody (Product # PA5-16867) in Western Blot"

Authors: Johnson AN,Harkema JR,Nelson AJ,Dickinson JD,Kalil J,Duryee MJ,Thiele GM,Kumar B,Singh AB,Gaurav R, Glover SC,Tang Y,Romberger DJ,Kielian T,Poole JA

Year
2020

Immunohistochemistry (4)

British journal of cancer

Inhibition of interferon-signalling halts cancer-associated fibroblast-dependent protection of breast cancer cells from chemotherapy.

"Published figure using Claudin 3 polyclonal antibody (Product # PA5-16867) in Immunohistochemistry"

Authors: Broad RV,Jones SJ,Teske MC,Wastall LM,Hanby AM,Thorne JL,Hughes TA

Year
2021

Scientific reports

Claudin expression profile in flat wart and cutaneous squamous cell carcinoma in epidermodysplasia verruciformis.

"Published figure using Claudin 3 polyclonal antibody (Product # PA5-16867) in Immunohistochemistry"

Authors: da Cruz Silva LL,de Oliveira WRP,Pereira NV,Halpern I,Tanabe CKD,Mattos MSG,Sotto MN

Year
2020

[View more IHC references on thermofisher.com](#)

Immunocytochemistry (1)

PloS one

TLR3 deficiency exacerbates the loss of epithelial barrier function during genital tract Chlamydia muridarum infection.

"PA5-16867 was used in Western Blotting to investigate the impact of Chlamydia on the integrity of the host epithelial barrier as a mechanism to facilitate the dissemination of infection, and examine whether TLR3 function modulates its impact."

Authors: Kumar R,Gong H,Liu L,Ramos-Solis N,Seye CI,Derbigny WA

Year
2019

Species
Mouse

Dilution
1:50

More applications with references on thermofisher.com

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