

Product Datasheet

Claudin-4 Antibody - BSA Free

NBP2-41187

Unit Size: 0.1 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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Publications: 1

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NBP2-41187

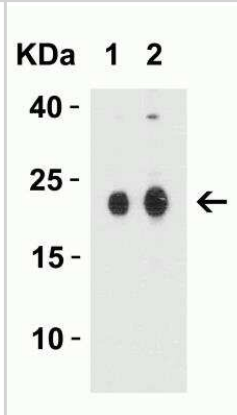
Claudin-4 Antibody - BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Peptide affinity purified
Buffer	PBS
Target Molecular Weight	22 kDa
Product Description	
Description	Novus Biologicals Rabbit Claudin-4 Antibody - BSA Free (NBP2-41187) is a polyclonal antibody validated for use in WB, ELISA and ICC/IF. Anti-Claudin-4 Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	1364
Gene Symbol	CLDN4
Species	Human
Reactivity Notes	Immunogen displays the following percentage of sequence identity for non-tested species: Rat (88%).
Specificity/Sensitivity	At least four isoforms of Claudin-4 are known to exist; Claudin-4 antibody will detect all four isoforms. Human Claudin-4 has one isoform (209aa, 22kD). Mouse Claudin-4 has one isoform (210aa, 22kD) and Rat Claudin-4 also has one isoform (210aa, 22kD). NBP2-41187 can detect human, mouse and rat.
Immunogen	Antibody was raised against a peptide corresponding to 17 amino acids near the carboxy terminus of human Claudin-4. The immunogen is located within the last 50 amino acids of Claudin-4. Amino Acid Sequence: PPRTDKPYSAKYSAR
Product Application Details	
Applications	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence
Recommended Dilutions	Western Blot 0.5-2 ug/mL, ELISA, Immunocytochemistry/ Immunofluorescence 20 ug/ml

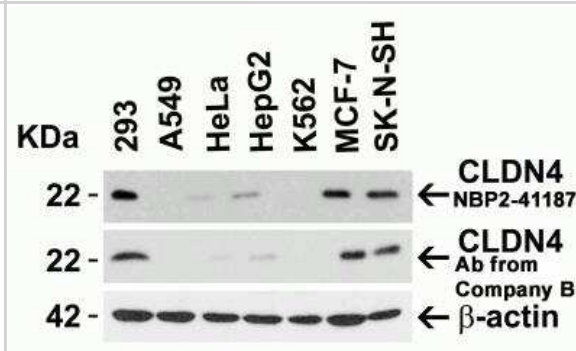


Images

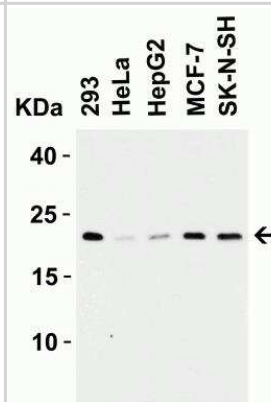
Western Blot: Claudin-4 Antibody [NBP2-41187] - Western Blot Validation in Human Colon Tissue Lysate. Loading: 15 ug of lysates per lane. Antibodies: CLAUDIN4, NBP2-41187 (Lane 1: 1 ug/mL and Lane 2: 2 ug/mL), 1h incubation at RT in 5% NFDN/TBST. Secondary: Goat anti-rabbit IgG HRP conjugate at 1:10000 dilution.



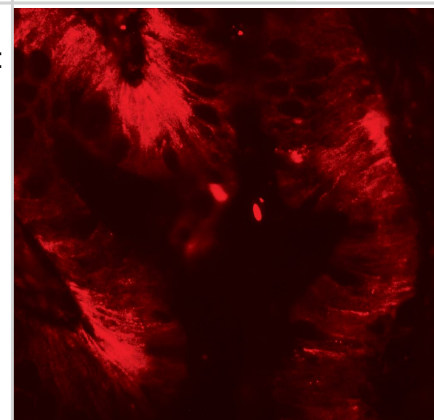
Western Blot: Claudin-4 Antibody [NBP2-41187] - Independent Antibody Validation (IAV) via Protein Expression Profile in Human Cell Lines. Loading: 15 ug of lysates per lane. Antibodies: CLAUDIN4, NBP2-41187 (1 ug/mL), CLAUDIN4 from Company B (1 ug/mL), and beta-actin (1 ug/mL), 1h incubation at RT in 5% NFDN/TBST. Secondary: Goat anti-rabbit IgG HRP conjugate at 1:10000 dilution.



Western Blot: Claudin-4 Antibody [NBP2-41187] - Western Blot Validation in Human Cell Lines. Loading: 15 ug of lysates per lane. Antibodies: CLAUDIN4, NBP2-41187 (1 ug/mL), 1h incubation at RT in 5% NFDN/TBST. Secondary: Goat anti-rabbit IgG HRP conjugate at 1:10000 dilution.



Immunocytochemistry/ Immunofluorescence: Claudin-4 Antibody - BSA Free [NBP2-41187] - Validation in Human Colon Tissue Lysate. Loading: 15 ug of lysates per lane. Antibodies: Claudin-4, (Lane 1: 1 ug/mL and Lane 2: 2 ug/mL), 1h incubation at RT in 5% NFDN/TBST. Secondary: Goat anti-rabbit IgG HRP conjugate at 1:10000 dilution.



Publications

Sokovic Bajic Svetlana, Djokic Jelena, Dinic Miroslav et al. GABA-Producing Natural Dairy Isolate From Artisanal Zlata Cheese Attenuates Gut Inflammation and Strengthens Gut Epithelial Barrier in vitro. BMC Complementary and Alternative Medicine 2019-03-18 [PMID: 30936860] (WB, Human)



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Products Related to NBP2-41187

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP2-34952-100ug	Recombinant Human EGF Protein

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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