

Product Datasheet

CAMP/Cathelicidin Antibody

NB100-98689

Unit Size: 0.1 ml

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

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Publications: 8

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NB100-98689**CAMP/Cathelicidin Antibody**

Product Information	
Unit Size	0.1 ml
Concentration	This product is unpurified. The exact concentration of antibody is not quantifiable.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	No Preservative
Reconstitution Instructions	Reconstitute in 0.1 ml of sterile water. Centrifuge to remove any insoluble material. Glycerol may be added (1:1) for additional stability. Please note the sample size is provided in reconstituted format.
Isotype	IgG
Purity	Unpurified
Buffer	Lyophilized from whole antisera

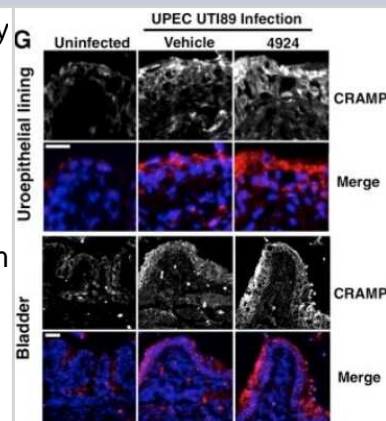
Product Description	
Description	Novus Biologicals Rabbit CAMP/Cathelicidin Antibody (NB100-98689) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. Anti-CAMP/Cathelicidin Antibody: Cited in 8 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	820
Gene Symbol	CAMP
Species	Human, Mouse
Reactivity Notes	Use in Mouse reported in scientific literature (PMID:33734592). Use in Human reported in scientific literature (PMID:31227691).
Specificity/Sensitivity	Specific for Cathelin related antimicrobial peptide.
Immunogen	A synthetic peptide from CAMP/Cathelicidin conjugated to blue carrier protein has been used as the antigen.

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Dot Blot, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen
Recommended Dilutions	Western Blot 1:100-1:2000, Immunohistochemistry 1:100-1:2000, Immunocytochemistry/Immunofluorescence 1:10 - 1:500, Immunohistochemistry-Paraffin 1:100-1:2000, Immunohistochemistry-Frozen 1:100-1:2000, Dot Blot
Application Notes	Use in IHC-Frozen reported in scientific literature (PMID: 25927232). Use in ICC/IF reported in scientific literature (PMID: 23223145). Use in dot blot reported in scientific literature (PMID: 32321824).



Images

Immunocytochemistry/Immunofluorescence: CAMP/Cathelicidin Antibody [NB100-98689] - AKB-4924 pretreatment enhances production of nitric oxide and host defense peptides during UPEC infection. Representative images illustrating the distribution of murine cathelicidin (red) and nuclei (DAPI, blue) in the mucosa of UTI89 infected bladders with vehicle or AKB-4924 pre-treatment (n = 6). Upper panel scale bar = 50 μ m. Bottom panel: higher magnitude focused on the uroepithelial cell layer of bladder. Scale bar = 25 μ m. Image collected and cropped by CiteAb from the following publication (<https://doi.org/10.1371/journal.ppat.1004818>) licensed under a CC-BY license.



Publications

Kalgudde Gopal, S;Dai, R;Stefanska, AM;Ansari, M;Zhao, J;Ramesh, P;Bagnoli, JW;Correa-Gallegos, D;Lin, Y;Christ, S;Angelidis, I;Lupperger, V;Marr, C;Davies, LC;Enard, W;Machens, HG;Schiller, HB;Jiang, D;Rinkevich, Y; Wound infiltrating adipocytes are not myofibroblasts Nature communications 2023-05-25 [PMID: 37230982] (IHC-WhMt, Mouse)

Deng Z, Chen M, Liu Y et al. A positive feedback loop between mTORC1 and cathelicidin promotes skin inflammation in rosacea EMBO molecular medicine 2021-03-18 [PMID: 33734592] (ICC/IF, Mouse)

Patras KA, Coady A, Babu P et al. Host Cathelicidin Exacerbates Group B Streptococcus Urinary Tract Infection mSphere 2020-04-22 [PMID: 32321824] (Cytometric Bead Assay Standard, Human)

Chen S, Ge L, Wang H et al. Eluted 25-hydroxyvitamin D3 from radially aligned nanofiber scaffolds enhances cathelicidin production while reducing inflammatory response in human immune system-engrafted mice Acta Biomater 2019-08-03 [PMID: 31386930] (IF/IHC, Mouse)

Bitschar K, Sauer B, Focken J, et al. Lugdunin amplifies innate immune responses in the skin in synergy with host- and microbiota-derived factors Nat Commun 2019-06-21 [PMID: 31227691] (IF/IHC, Human)

Lin AE, Beasley FC, Olson J et al. Role of Hypoxia Inducible Factor-1alpha (HIF-1alpha) in Innate Defense against Uropathogenic Escherichia coli Infection. PLoS Pathog. 2015-04-01 [PMID: 25927232] (IHC-Fr, WB, Mouse)

McGee HM, Schmidt BA, Booth CJ et al. IL-22 Promotes Fibroblast-Mediated Wound Repair in the Skin J Invest Dermatol 2012-12-06 [PMID: 23223145] (ICC/IF, IF/IHC, Mouse)

Munjal, C, Tyagi, N, Lominadze, D,Tyagi, S C. Matrix metalloproteinase-9 in homocysteine-induced intestinal microvascular endothelial paracellular and transcellular permeability J. Cell. Biochem 2012-01-01 [PMID: 22275073]



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Products Related to NB100-98689

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP1-88203PEP	CAMP/Cathelicidin Recombinant Protein Antigen

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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