

# 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**

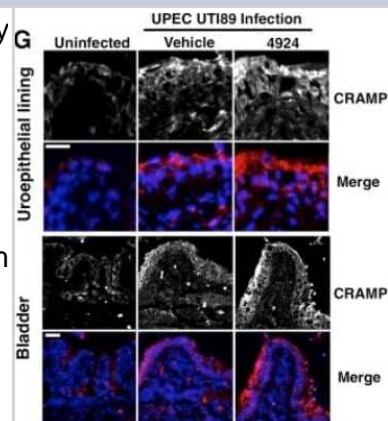
<b>Product Information</b>	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	This product is unpurified. The exact concentration of antibody is not quantifiable.
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	No Preservative
<b>Reconstitution Instructions</b>	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.
<b>Isotype</b>	IgG
<b>Purity</b>	Unpurified
<b>Buffer</b>	Lyophilized from whole antisera

<b>Product Description</b>	
<b>Description</b>	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.
<b>Host</b>	Rabbit
<b>Gene ID</b>	820
<b>Gene Symbol</b>	CAMP
<b>Species</b>	Human, Mouse
<b>Reactivity Notes</b>	Use in Mouse reported in scientific literature (PMID:33734592). Use in Human reported in scientific literature (PMID:31227691).
<b>Specificity/Sensitivity</b>	Specific for Cathelin related antimicrobial peptide.
<b>Immunogen</b>	A synthetic peptide from CAMP/Cathelicidin conjugated to blue carrier protein has been used as the antigen.

<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, Dot Blot, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen
<b>Recommended Dilutions</b>	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
<b>Application Notes</b>	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  $\mu$ m. Bottom panel: higher magnitude focused on the uroepithelial cell layer of bladder. Scale bar = 25  $\mu$ m. Image collected and cropped by CiteAb from the following publication ([//dx.plos.org/10.1371/journal.ppat.1004818](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**

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NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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### **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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