

Product Datasheet

CAMP/LL37/FALL39/Cathelicidin Antibody - BSA Free NBP1-76864

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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NBP1-76864

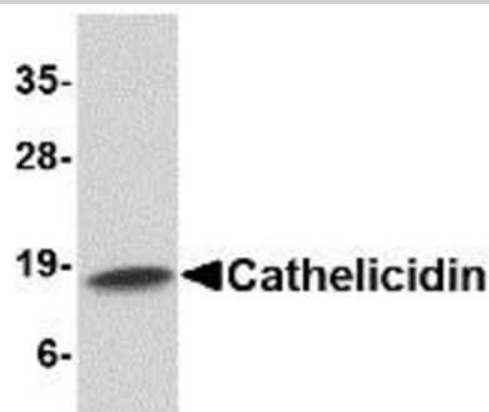
CAMP/LL37/FALL39/Cathelicidin Antibody - BSA Free

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	Immunogen affinity purified
Buffer	PBS
Product Description	
Host	Rabbit
Gene ID	820
Gene Symbol	CAMP
Species	Human
Immunogen	Antibody was raised against a 17 amino acid synthetic peptide from an internal portion of the human Cathelicidin protein. The immunogen is located within amino acids 50 - 100 of Cathelicidin.
Product Application Details	
Applications	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1-2 ug/ml, ELISA 1:100-1:2000, Immunohistochemistry 5 ug/ml, Immunocytochemistry/ Immunofluorescence 20 ug/mL, Immunohistochemistry-Paraffin 5 ug/ml

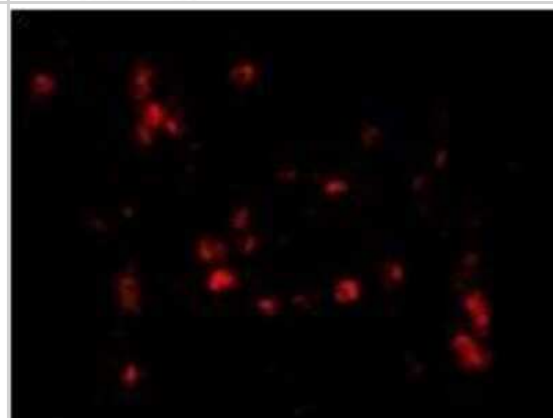


Images

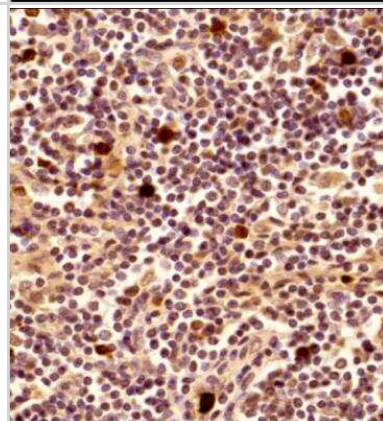
Western Blot: CAMP/LL37/FALL39/Cathelicidin Antibody [NBP1-76864] - Human spleen tissue lysate with Cathelicidin antibody at 1 ug/ml.



Immunocytochemistry/Immunofluorescence: CAMP/LL37/FALL39/Cathelicidin Antibody [NBP1-76864] - in Human Spleen cells.



Immunohistochemistry-Paraffin: CAMP/LL37/FALL39/Cathelicidin Antibody [NBP1-76864] - IHC analysis of a formalin fixed paraffin embedded tissue section of human lymph node using 5 ug/ml dilution of CAMP antibody (NBP1-76864). The signal was developed using HRP-DAB method which followed counterstaining of the cells with hematoxylin.



Publications

LT Fee, D Gogoi, ME O'Brien, E McHugh, M Casey, C Gough, M Murphy, AM Hopkins, TP Carroll, NG McElvaney, EP Reeves C3d Elicits Neutrophil Degranulation and Decreases Endothelial Cell Migration, with Implications for Patients with Alpha-1 Antitrypsin Deficiency Biomedicines, 2021-12-16;9(12):. 2021-12-16 [PMID: 34944741]

Tantengco OAG, Kechichian T, Vincent KL Et al. Inflammatory Response Elicited by Ureaplasma parvum colonization in human cervical epithelial, stromal, and immune cells Reproduction (Cambridge, England) 2021-11-01 [PMID: 34780348] (ICC/IF, WB, Human)

Fan D, Coughlin LA, Neubauer MM et al. Activation of HIF-1alpha and LL-37 by commensal bacteria inhibits Candida albicans colonization. Nat Med 2015-07-01 [PMID: 26053625]

Procedures

Western Blot protocol for CAMP/LL37/FALL39/Cathelicidin Antibody (NBP1-76864)

CAMP/LL37/FALL39/Cathelicidin Antibody:

Western Blot Protocol

1. Perform SDS-PAGE on samples to be analyzed, loading 10-25 ug of total protein per lane.
2. Transfer proteins to PVDF membrane according to the instructions provided by the manufacturer of the membrane and transfer apparatus.
3. Stain the membrane with Ponceau S (or similar product) to assess transfer success, and mark molecular weight standards where appropriate.
4. Rinse the blot TBS -0.05% Tween 20 (TBST).
5. Block the membrane in 5% Non-fat milk in TBST (blocking buffer) for at least 1 hour.
6. Wash the membrane in TBST three times for 10 minutes each.
7. Dilute anti-CAMP primary antibody in blocking buffer and incubate overnight at 4C with gentle rocking.
8. Wash the membrane in TBST three times for 10 minutes each.
9. Incubate the membrane in diluted HRP conjugated secondary antibody in blocking buffer (as per manufacturer's instructions) for 1 hour at room temperature.
10. Wash the blot in TBST three times for 10 minutes each (this step can be repeated as required to reduce background).
11. Apply the detection reagent of choice in accordance with the manufacturers instructions.

Immunohistochemistry-Paraffin protocol for CAMP/LL37/FALL39/Cathelicidin Antibody (NBP1-76864)

CAMP/LL37/FALL39/Cathelicidin Antibody:

Immunohistochemistry-Paraffin Embedded Sections

Antigen Unmasking:

Bring slides to a boil in 10 mM sodium citrate buffer (pH 6.0) then maintain at a sub-boiling temperature for 10 minutes. Cool slides on bench-top for 30 minutes.

Staining:

1. Wash sections in deionized water three times for 5 minutes each.
2. Wash sections in wash buffer for 5 minutes.
3. Block each section with 100-400 ul blocking solution for 1 hour at room temperature.
4. Remove blocking solution and add 100-400 ul diluted primary antibody. Incubate overnight at 4 C.
5. Remove antibody solution and wash sections in wash buffer three times for 5 minutes each.
6. Add 100-400 ul biotinylated diluted secondary antibody. Incubate 30 minutes at room temperature.
7. Remove secondary antibody solution and wash sections three times with wash buffer for 5 minutes each.
8. Add 100-400 ul Streptavidin-HRP reagent to each section and incubate for 30 minutes at room temperature.
9. Wash sections three times in wash buffer for 5 minutes each.
10. Add 100-400 ul DAB substrate to each section and monitor staining closely.
11. As soon as the sections develop, immerse slides in deionized water.
12. Counterstain sections in hematoxylin.
13. Wash sections in deionized water two times for 5 minutes each.
14. Dehydrate sections.
15. Mount coverslips.





Novus Biologicals USA

10730 E. Briarwood Avenue
Centennial, CO 80112
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
nb-customerservice@bio-techne.com

Bio-Techne Canada

21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada.inquires@bio-techne.com

Bio-Techne Ltd

19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom
Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info.EMEA@bio-techne.com

General Contact Information

www.novusbio.com
Technical Support: nb-technical@bio-techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

Products Related to NBP1-76864

NBP1-76864PEP	CAMP/LL37/FALL39/Cathelicidin Antibody Blocking Peptide
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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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