

Product Datasheet

Histone H3 [Citrulline Arg17, Citrulline Arg2, Citrulline Arg8] Antibody NB100-57135

Unit Size: 0.2 ml

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

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NB100-57135

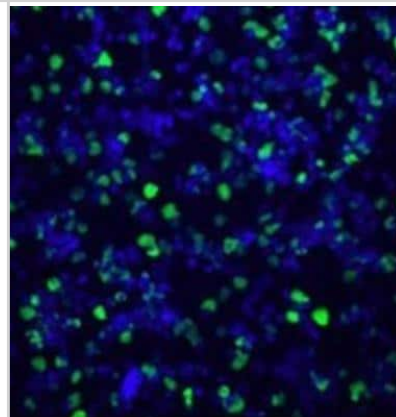
Histone H3 [Citrulline Arg17, Citrulline Arg2, Citrulline Arg8] Antibody

Product Information	
Unit Size	0.2 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	Lyophilized powder, reconstitute with 0.2 ml distilled water.
Isotype	IgG
Purity	Unpurified
Buffer	Antiserum
Target Molecular Weight	15 kDa
Product Description	
Host	Rabbit
Gene ID	126961
Gene Symbol	H3C14
Species	Human, Mouse, Rat, Bacteria
Reactivity Notes	Mouse reactivity reported in scientific literature (PMID: 31160588). Use in Rat reported in scientific literature (PMID:32890741). Bacteria reactivity reported in (PMID: 32329205).
Specificity/Sensitivity	This Histone H3 antibody reacts specifically with human Histone H3 Citrulline at either position 2 and or 8 and or 17. Not yet tested in other species, but the should react with a wide range of species due to sequence homology.
Immunogen	This Histone H3 antibody was raised against synthetic peptide derived from N terminal region of Human Histone H3, containing Citrulline at position 2;8;17
Product Application Details	
Applications	Western Blot, ELISA, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin, Chromatin Immunoprecipitation (ChIP)
Recommended Dilutions	Western Blot 1:5000 - 1:50000, Flow Cytometry, ELISA, Immunohistochemistry 1:200 - 1:1000, Immunocytochemistry/ Immunofluorescence 1:200 - 1:1000, Immunohistochemistry-Paraffin 1:200 - 1:1000, Immunohistochemistry-Frozen, Chromatin Immunoprecipitation (ChIP) 1:10-1:500
Application Notes	Use in IHC-Frozen reported in scientific literature (PMID:32890741).

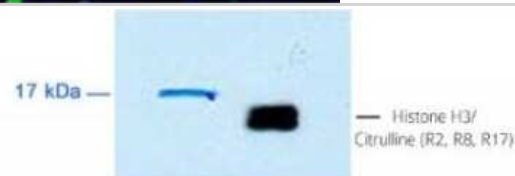


Images

Immunocytochemistry/Immunofluorescence: Histone H3 [Citrulline 2, Citrulline 8, Citrulline 17] Antibody [NB100-57135] - HL60 cells treated with DMSO and Calcein Green: (at 1:1000 Blue Hoechst)



Western Blot: Histone H3 [Citrulline 2, Citrulline 8, Citrulline 17] Antibody [NB100-57135] - Histone H3/Citrulline (R2,R8,R17) at 1:10000 dilution. Observed molecular weight is ~15 kDa.



Publications

Zhe Liu, Alexander P.N.A. De Porto, Regina De Beer, Joris J.T.H. Roelofs, Onno J. De Boer, Sandrine Florquin, Cornelis Van't Veer, Rudi W. Hendriks, Tom Van der Poll, Alex F. De Vos Bruton's Tyrosine Kinase in Neutrophils Is Crucial for Host Defense against *Klebsiella pneumoniae* *Journal of Innate Immunity* 2023-01-01 [PMID: 35537415]

Umesh Kumar Dhawan, Purbasha Bhattacharya, Sriram Narayanan, Vijayprakash Manickam, Ayush Aggarwal, Manikandan Subramanian Hypercholesterolemia Impairs Clearance of Neutrophil Extracellular Traps and Promotes Inflammation and Atherosclerotic Plaque Progression *Arteriosclerosis, Thrombosis, and Vascular Biology* 2021-08-05 [PMID: 34348488]

Daniel Dahlberg, Sverre Holm, Ellen Margaret Lund Sagen, Annika Elisabet Michelsen, Maria Stensland, Gustavo Antonio de Souza, Ebba Gløersen Müller, James Patrick Connelly, Mona-Elisabeth Revheim, Bente Halvorsen, Bjørnar Hassel Bacterial Brain Abscesses Expand Despite Effective Antibiotic Treatment: A Process Powered by Osmosis Due to Neutrophil Cell Death. *Neurosurgery* 2023-12-12 [PMID: 38084989]

Ma T, Tang Y, Wang T et al. Chronic pulmonary bacterial infection facilitates breast cancer lung metastasis by recruiting tumor-promoting MHCII(hi) neutrophils *Signal Transduction and Targeted Therapy* 2023-08-11 [PMID: 37563136] (ICC/IF)

Sung, PS;Sun, CP;Tao, MH;Hsieh, SL; Inhibition of SARS-CoV-2-mediated thromboinflammation by CLEC2.Fc *EMBO molecular medicine* 2023-05-22 [PMID: 37211986] (IHC-P, Mouse)

Cha MJ, Ha J, Lee H et al. Neutrophil Recruitment in Arterial Thrombus and Characteristics of Stroke Patients with Neutrophil-Rich Thrombus *Yonsei medical journal* 2022-11-01 [PMID: 36303310] (IHC-P, Mouse)

Details:

Dilution used in IHC 1:50

Chen CJ, Wu CC, Chang CY et al. Metformin Mitigated Obesity-Driven Cancer Aggressiveness in Tumor-Bearing Mice *International journal of molecular sciences* 2022-08-15 [PMID: 36012397] (IHC-P, FLOW, ELISA, Mouse, Human)

Details:

Human samples were used in Flow, Mouse in IHC-P and ELISA

Sung PS, Yang SP, Peng YC et al. CLEC5A and TLR2 are critical in SARS-CoV-2-induced NET formation and lung inflammation *Journal of biomedical science* 2022-07-11 [PMID: 35820906] (ICC/IF, IHC-P, Mouse, Human)

Jin J, Qiao S, Liu J et al. Neutrophil extracellular traps promote thrombogenicity in cerebral venous sinus thrombosis *Cell & bioscience* 2022-07-22 [PMID: 35869501] (ICC/IF, Human)

Details:

1ug/ml used

Kostyunin A, Glushkova T, Stasev A et al. Early Postoperative Immunothrombosis of Bioprosthetic Mitral Valve and Left Atrium: A Case Report *International journal of molecular sciences* 2022-06-16 [PMID: 35743174] (IF/IHC, Human)

Sun R, Wang X, Nie Y et al. Targeted trapping of endogenous endothelial progenitor cells for myocardial ischemic injury repair through neutrophil-mediated SPIO nanoparticle-conjugated CD34 antibody delivery and imaging *Acta biomaterialia* 2022-05-08 [PMID: 35545187] (ICC/IF, Mouse)

Safarulla S, Madan A, Xing F, Chandrasekaran A CXCR2 Mediates Distinct Neutrophil Behavior in Brain Metastatic Breast Tumor Cancers 2022-01-20 [PMID: 35158784] (ICC/IF, Human)

More publications at <http://www.novusbio.com/NB100-57135>





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Products Related to NB100-57135

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NB21-1143PEP	Histone H3 [Trimethyl Lys18] Antibody Blocking Peptide

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