

Anti-Influenza A Virus Nucleoprotein antibody [C43] ab128193

[33 References](#) [4 图像](#)

概述

产品名称	抗甲型流感Virus Nucleoprotein抗体[C43]
描述	小鼠单克隆抗体[C43] to甲型流感Virus Nucleoprotein
宿主	Mouse
特异性	<p>Reacts with NP of all influenza A viruses so far tested, including seasonal H2N2, H3N2(A/Sydney/5/1997), and H5N1(A/crow/Kyoto53/2004), H5N1 (A/duck/Egypt/D2br10/07), H5N1(A/duck/HK/342/78), H5N2(A/crow/Kyoto/53/04), H9N1, H9N2 (A/Turkey/Wisconsin/1/66) and H1N1 (seasonal: A/New Caledonia/20/99. Pandemic: A/Suita/01/2009 and swine: A/PuertoRico/8/34).</p> <p>No cross reactivity with influenza B viruses.</p>
经测试应用	适用于: WB, ELISA, ICC/IF, Flow Cyt
种属反应性	与反应: Influenza A
免疫原	<p>Tissue, cells or virus corresponding to Influenza A Virus Nucleoprotein. Human Influenza A Virus H3N2 strain</p> <p>Database link: P69291</p>
常规说明	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at -20°C. Avoid freeze / thaw cycle.
存储溶液	<p>pH: 6</p> <p>Constituents: 50% Glycerol, 49% PBS</p>
纯度	Proprietary Purification
纯化说明	Produced in serum-free medium and purified by proprietary chromatography procedure under mild conditions. 90~95% pure by SDS-PAGE

克隆	单克隆
克隆编号	C43
同种型	IgG2a

应用

The Abpromise guarantee **Abpromise™**承诺保证使用ab128193于以下的经测试应用

“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

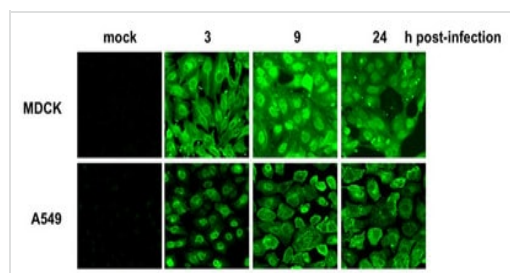
应用	Ab评论	说明
WB		1/300 - 1/1000.
ELISA		Use at an assay dependent concentration.
ICC/IF		1/200.
Flow Cyt		Use at an assay dependent concentration. PubMed: 24067955 ab170191 - Mouse monoclonal IgG2a, is suitable for use as an isotype control with this antibody.

靶标

相关性 The nucleoprotein (NP) of Influenza virus encapsulates the negative strand of the viral RNA and is essential for replicative transcription. It may also be involved in other essential functions throughout the virus life cycle. As well as binding ssRNA, NP is able to self associate to form large oligomeric complexes. NP is able to interact with a variety of other macromolecules of both viral and cellular origins. It binds the PB1 and PB2 subunits of the polymerase and the matrix protein M1. "NP has also been shown to interact with at least four cellular polypeptide families: nuclear import receptors of the importin class, filamentous (F) actin, the nuclear export receptor CRM1 and a DEAD box helicase BAT1/UAP56" (Portela et al 2002).

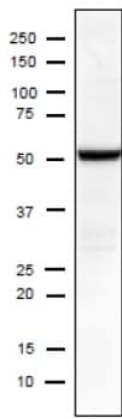
细胞定位 Host cell nucleus

图片



Immunocytochemistry/ Immunofluorescence - Anti-Influenza A Virus Nucleoprotein antibody [C43] (ab128193)

Immunofluorescence assay of MDCK cells derived from canine kidney cells, and A549 cells derived from human lung carcinoma cells, that were infected with H1N1 influenza virus (A/PuertoRico/8/34). Samples were taken at 3, 9, and 24 hours post-infection. Influenza A Virus Nucleoprotein antibody (ab128193) efficiently detected virus-infected MDCK and A549 cells as early as 3 h after infection. The cells were fixed with 4% paraformaldehyde in phosphate-buffered saline (PBS) and permeabilized with 0.1% 0.1% Triton X-100 in PBS. The bound antibody was visualized by a further reaction with an green flurescent secondary antibody.

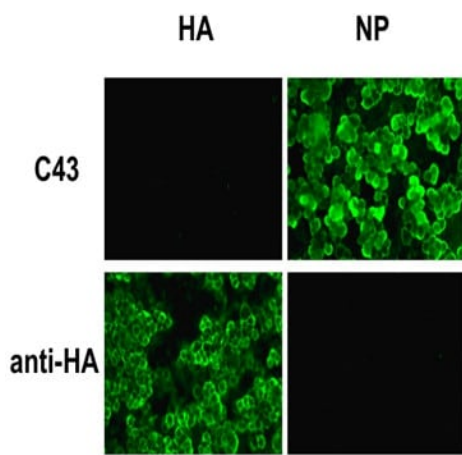


Western blot - Anti-Influenza A Virus Nucleoprotein antibody [C43] (ab128193)

Anti-Influenza A Virus Nucleoprotein antibody [C43] (ab128193) at 1/1000 dilution + MDCK cells infected with Influenza A virus (H1N1) PuertoRico/8/34

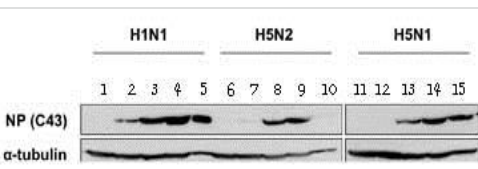
Secondary

Rabbit Anti-Mouse IgG H&L (HRP) (ab97046) at 1/10000 dilution



Immunocytochemistry/ Immunofluorescence - Anti-Influenza A Virus Nucleoprotein antibody [C43] (ab128193)

Immunofluorescence assay of 293T cells expressing HA or NP of pandemic (H1N1) 2009 influenza A virus (A/Suita/1/2009). Influenza A Virus Nucleoprotein antibody (ab128193) specifically recognized NP-expressing cells while a proprietary mouse anti-HA monoclonal antibody specifically recognized HA.



Western blot - Anti-Influenza A Virus Nucleoprotein antibody [C43] (ab128193)

All lanes : Anti-Influenza A Virus Nucleoprotein antibody [C43] (ab128193) at 1/300 dilution

Lanes 1 & 6 & 11 : MDCK cells mock infected

Lane 2 : MDCK cells infected with H1N1 (A/PuertoRico/8/34) collected 3 hrs post-infection

Lane 3 : MDCK cells infected with H1N1 (A/PuertoRico/8/34) collected 9 hrs post-infection

Lane 4 : MDCK cells infected with H1N1 (A/PuertoRico/8/34) collected 24 hrs post-infection

Lane 5 : MDCK cells infected with H1N1 (A/PuertoRico/8/34) collected 48 hrs post-infection

Lane 7 : MDCK cells infected with H5N2 (A/crow/Kyoto/53/04)

collected 3 hrs post-infection

Lane 8 : MDCK cells infected with H5N2 (A/crow/Kyoto/53/04)

collected 9 hrs post-infection

Lane 9 : MDCK cells infected with H5N2 (A/crow/Kyoto/53/04)

collected 24 hrs post-infection

Lane 10 : MDCK cells infected with H5N2 (A/crow/Kyoto/53/04)

collected 48 hrs post-infection

Lane 12 : MDCK cells infected H5N1

(A/duck/HK/342/78) collected 3 hrs post-infection

Lane 13 : MDCK cells infected with H5N1

(A/duck/HK/342/78) collected 9 hrs post-infection

Lane 14 : MDCK cells infected with H5N1

(A/duck/HK/342/78) collected 24 hrs post-infection

Lane 15 : MDCK cells infected with H5N1

(A/duck/HK/342/78) collected 48 hrs post-infection

Tubulin was used as loading control.

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