

Anti-Influenza A Virus Nucleoprotein antibody [C43] ab128193

33 References **画像数 4**

製品の概要

製品名	Anti-Influenza A Virus Nucleoprotein antibody [C43]
製品の詳細	Mouse monoclonal [C43] to Influenza A Virus Nucleoprotein
由来種	Mouse
特異性	<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>
アプリケーション	適用あり: WB, ELISA, ICC/IF, Flow Cyt
種交差性	交差種: 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>
特記事項	<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>

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at -20°C. Avoid freeze / thaw cycle.
バッファー	<p>pH: 6</p> <p>Constituents: 50% Glycerol, 49% PBS</p>
精製度	Proprietary Purification
特記事項 (精製)	Produced in serum-free medium and purified by proprietary chromatography procedure under mild conditions. 90~95% pure by SDS-PAGE

ポリ/モノ	モノクローナル
クローン名	C43
アイソタイプ	IgG2a

アプリケーション

The Abpromise guarantee Abpromise保証は、次のテスト済みアプリケーションにおけるab128193の使用に適用されます
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

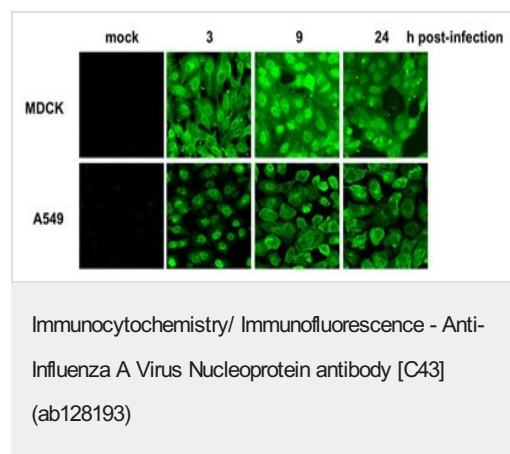
アプリケーション	Abreviews	特記事項
WB		1/300 - 1/1000.
ELISA		Use at an assay dependent concentration.
ICC/IF		1/200.
Flow Cyt		Use at an assay dependent concentration. PubMed: 24067955 ab170191 - Mouse monoclonal IgG2a, is suitable for use as an isotype control with this antibody.

ターゲット情報

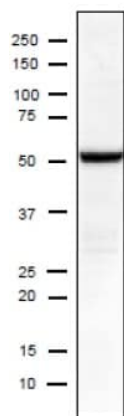
関連性 The nucleoprotein (NP) of Influenza virus encapsulates the negative strand of the viral RNA and is essential for replicative transcription. It may also be involved in other essential functions throughout the virus life cycle. As well as binding ssRNA, NP is able to self associate to form large oligomeric 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).

細胞内局在 Host cell nucleus

画像



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.

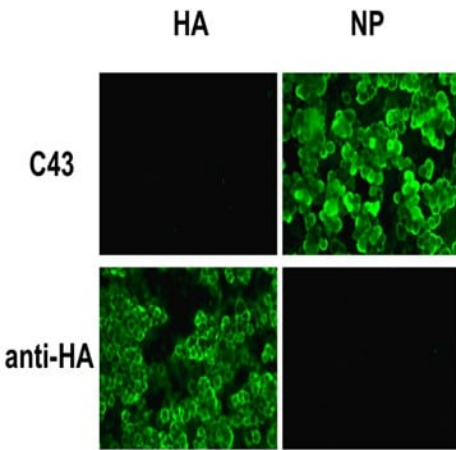


Western blot - Anti-Influenza A Virus Nucleoprotein antibody [C43] (ab128193)

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

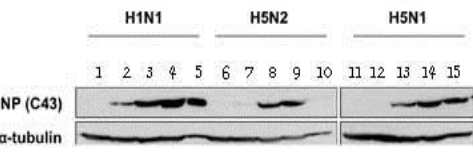
Secondary

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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